

UNIVERSITY OF MARYLAND

OFFICIAL PUBLICATION

ABBREVIATED CATALOG NUMBER

1943-1944



*"The Foundation of Every State
is the Education of its Youth"*

DIOGENES

AGRICULTURE

ARTS AND SCIENCES

BUSINESS AND PUBLIC
ADMINISTRATION

EDUCATION

ENGINEERING

HOME ECONOMICS

MILITARY SCIENCE

GRADUATE STUDIES

DENTISTRY

LAW

MEDICINE

NURSING

PHARMACY

EXTENSION

RESEARCH

GENERAL CALENDAR

1943							1944							1945						
JULY							JANUARY							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
.....	.....	.....	.....	1	2	3	.....	.....	.....	.....	.....	.....	1	.....	1	2	3	4	5	6
4	5	6	7	8	9	10	2	3	4	5	6	7	8	2	3	4	5	6	7	8
11	12	13	14	15	16	17	9	10	11	12	13	14	15	9	10	11	12	13	14	15
18	19	20	21	22	23	24	16	17	18	19	20	21	22	16	17	18	19	20	21	22
25	26	27	28	29	30	31	23	24	25	26	27	28	29	23	24	25	26	27	28	29
.....	.....	.....	.....	.....	.....	.....	30	31	.....	.....	.....	.....	.....	30	31	.....	.....	.....	.....	.....
AUGUST							FEBRUARY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	3
8	9	10	11	12	13	14	.....	.....	1	2	3	4	5	6	7	8	9	10	11	12
15	16	17	18	19	20	21	6	7	8	9	10	11	12	13	14	15	16	17	18	19
22	23	24	25	26	27	28	13	14	15	16	17	18	19	20	21	22	23	24	25	26
29	30	31	.....	.....	.....	.....	20	21	22	23	24	25	26	27	28	29	30	31	.....	.....
.....	.....	.....	.....	.....	.....	.....	27	28	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SEPTEMBER							MARCH							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
.....	.....	.....	.....	1	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	3
5	6	7	8	9	10	11	.....	.....	1	2	3	4	5	6	7	8	9	10	11	12
12	13	14	15	16	17	18	5	6	7	8	9	10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	27	28	29	30	.....	.....	19	20	21	22	23	24	25	26	27	28	29	30	31	.....
.....	.....	.....	.....	.....	.....	.....	26	27	28	29	30	31	.....	.....	.....	.....	.....	.....	.....	.....
OCTOBER							APRIL							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
.....	.....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	4	5	6	7	8	9	2	3	4	5	6	7	8	1	2	3	4	5	6	7
10	11	12	13	14	15	16	9	10	11	12	13	14	15	8	9	10	11	12	13	14
17	18	19	20	21	22	23	16	17	18	19	20	21	22	15	16	17	18	19	20	21
24	25	26	27	28	29	30	23	24	25	26	27	28	29	22	23	24	25	26	27	28
31	.....	.....	.....	.....	.....	.....	30	.....	.....	.....	.....	.....	.....	29	30	31	.....	.....	.....	.....
NOVEMBER							MAY							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	8	9	10	11	12	13	7	8	9	10	11	12	13	.....	.....	.....	.....	.....	.....	.....
14	15	16	17	18	19	20	14	15	16	17	18	19	20	12	13	14	15	16	17	18
21	22	23	24	25	26	27	21	22	23	24	25	26	27	19	20	21	22	23	24	25
28	29	30	.....	.....	.....	.....	28	29	30	31	.....	.....	.....	26	27	28	29	30	31	.....
.....
DECEMBER							JUNE							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
.....	.....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	6	7	8	9	10	11	4	5	6	7	8	9	10	.....	.....	.....	.....	.....	.....	.....
12	13	14	15	16	17	18	11	12	13	14	15	16	17	3	4	5	6	7	8	9
19	20	21	22	23	24	25	18	19	20	21	22	23	24	10	11	12	13	14	15	16
26	27	28	29	30	31	25	26	27	28	29	30	17	18	19	20	21	22	23
.....	24	25	26	27	28	29	30
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The provisions of this publication are not to be regarded as an irrevocable contract between the student and the University. The University reserves the right to change any provision or requirement at any time within the student's term of residence. The University further reserves the right at any time, to ask a student to withdraw when it considers such action is for the best interests of the University.

UNIVERSITY CALENDAR

1943-1944

COLLEGE PARK

Summer Quarter

1943

July 9-10	Friday, Saturday	Registration for summer quarter
July 12	Monday	Instruction begins
Sept. 6	Monday	Labor Day, Holiday
Sept. 27, 28, 29, 30	Monday-Thursday	Examinations

Fall Quarter

Oct. 8-9	Friday, Saturday	Registration for fall quarter
Oct. 11	Monday	Instruction begins
Nov. 25	Thursday	Thanksgiving, Holiday
Dec. 23	Thursday	Closing date, fall quarter

Winter Quarter

1944

Jan. 7-8	Friday, Saturday	Registration for winter quarter
Jan. 10	Monday	Instruction begins
Feb. 22	Tuesday	Washington's Birthday, Holiday
March 25	Saturday	Maryland Day
March 27, 28, 29, 30	Monday-Thursday	Examinations

Spring Quarter

April 7-8	Friday, Saturday	Registration for spring quarter
April 10	Monday	Instruction begins
May 30	Tuesday	Memorial Day, Holiday
June 26, 27, 28, 29	Monday-Thursday	Examinations

NOTE: The academic calendars of the professional schools in Baltimore will be found in the separate catalogs published by these schools.

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BOARD OF REGENTS OF THE UNIVERSITY OF MARYLAND

AND

MARYLAND STATE BOARD OF AGRICULTURE

		Term Expires
ROWLAND K. ADAMS, Chairman.....	Baltimore.....	1948
MRS. JOHN L. WHITEHURST, Secretary.....	Baltimore.....	1947
J. MILTON PATTERSON, Treasurer.....	Baltimore.....	1944
PAUL S. KNOTTS.....	Denton.....	1946
HARRY H. NUTTLE.....	Denton.....	1948
WILLIAM P. COLE, JR.....	Towson.....	1949
THOMAS ROY BROOKES.....	Bel Air.....	1950
PHILLIP C. TURNER.....	Parkton.....	1950
W. CALVIN CHESNUT.....	Baltimore.....	1951
JOHN E. SEMMES.....	Baltimore.....	1951
STANFORD ROTHSCHILD	Baltimore.....	1952

OFFICERS OF ADMINISTRATION

H. C. BYRD, LL.D., D. Sc., President of the University.

T. B. SYMONS, M.S., D.Agri., Director of Extension Service, Dean of College of Agriculture.

L. B. BROUGHTON, Ph.D., Dean of College of Arts and Sciences.

J. FREEMAN PYLE, Ph.D., Dean of College of Business and Public Administration.

J. BEN ROBINSON, D.D.S., F.A.C.D., Dean of School of Dentistry.

ARNOLD E. JOYAL, Ph.D., Acting Dean of College of Education, Acting Director of Summer School.

S. S. STEINBERG, B.E., C.E., Dean of College of Engineering.

C. O. APPLEMAN, Ph.D., Dean of Graduate School.

M. MARIE MOUNT, M.A., Dean of College of Home Economics.

ROGER HOWELL, LL.B., Ph. D., Dean of School of Law.

ROBERT U. PATTERSON, M.D., C.M., LL.D., Dean of School of Medicine, Superintendent of University Hospital.

KATHERYN SHEA, R.N., Acting Superintendent of Nurses, Director of School of Nursing.

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ROGER B. CORBETT, Ph.D., Director of the Agricultural Experiment Station.

W. J. HUFF, Ph.D., D.Sci., Director of the Engineering Experiment Station.

JAMES H. REID, M.A., Acting Dean of Men.

ADELE H. STAMP, M.A., Dean of Women.

H. C. GRISWOLD, Lt. Col. Inf., U. S. Army, Commandant and Professor of Military Science and Tactics.

CLARENCE W. SPEARS, M.D., Director of Physical Education.

H. T. CASBARIAN, B.C.S., C.P.A., Comptroller.

ALMA H. PREINKERT, M.A., Registrar.

EDGAR F. LONG, Ph.D., Acting Director of Admissions.

CARL W. E. HINTZ, A.M.L.S., Librarian.

T. A. HUTTON, M.A., Purchasing Agent.

LOCATION

The undergraduate colleges and the graduate school of the University of Maryland are located at College Park, four miles from Washington. This nearness to Washington is of immeasurable advantage to students because of the unusual facilities for studying provided by the various government departments and the Library of Congress.

The University of Maryland is adequately served by excellent transportation facilities, including the main line of the Baltimore and Ohio Railroad, the Washington street railway system, and several bus lines.

The professional schools of the University—Dentistry, Law, Medicine, Nursing, and Pharmacy—the University Hospital and the Baltimore Division of the College of Education, are located at Lombard and Greene Streets, Baltimore.

ORGANIZATION

The government of the University is, by law, vested in a Board of Regents, consisting of eleven members appointed by the governor of the State, each for a term of nine years. The administration of the University is vested in the president. The deans, directors and other principal officers of the University form the Administrative Board. This group serves in an advisory capacity to the president.

FOUR QUARTER PLAN

In order to meet the present emergency the University of Maryland has shifted to a four quarter system, in which a student may either accelerate his graduation or complete his work in the usual four years. By attending all quarters a student may, in most curricula, graduate in three years. The engineering curriculum may be completed in a minimum of two and one half years.

The pre-medical, pre-dental, and pre-veterinary curricula may be taken in five quarters, or, if the student is under eighteen years of age, in six quarters.

Under the present plan the academic year is divided into four quarters of approximately twelve weeks each. In addition there is a summer session of six weeks, organized largely for the convenience of elementary and secondary school teachers.

ARMY SPECIALIZED TRAINING PROGRAM

The War Department and the University have established on the campus a three term curriculum for basic students, from which they may go on to advanced engineering or other specialized work. There is also a curriculum for language-area students in intensive language, geography and history courses. These students are being prepared to assist in the policing, intelligence service and administration of occupied territories.

The first three quarters of the College of Engineering are identical with the three terms of the Basic Army Specialized Training Program.

ADMISSION

Undergraduate schools: Applicants for admission to the Colleges of Agriculture, Arts and Sciences, Business and Public Administration, Education, Engineering, and Home Economics should communicate with the Director of Admissions, University of Maryland, College Park, Maryland.

Graduate School: Those seeking admission to the Graduate School should address the Dean of the Graduate School, University of Maryland, College Park.

Professional Schools: Information about admission to the professional schools in Baltimore may be had by writing to the dean of the college concerned or to the Director of Admissions of the University.

Applicants from secondary schools: Procure an application blank from the Director of Admissions. Fill in personal data requested and ask your principal or headmaster to enter your secondary school record and mail the blank to the Director of Admissions.

To avoid delay, it is suggested that applications be filed not later than May 1 for the summer quarter, August 1 for the fall quarter, December 1 for the winter quarter, and March 1 for the spring quarter. Applications from students completing their last semester of secondary work are encouraged. If acceptable supplementary records may be sent upon graduation.

Applicants from Other Colleges and Universities: Secure an application blank from the Director of Admissions. Fill in personal data requested and ask secondary school principal or headmaster to enter secondary school record and send the blank to the Director of Admissions. Request the Registrar of the College or University attended to send a transcript to the Director of Admissions, College Park, Maryland.

Time of Admission: New students should plan to enter the University at the beginning of the summer quarter, in July, if possible. Students, however, will be admitted at any quarter.

Registration: New students will register for the fall quarter of 1943 on Friday and Saturday, October 8 and 9, for the winter quarter of 1944 on Friday and Saturday, January 7 and 8, and for the spring quarter of 1944 on Friday and Saturday, April 7 and 8. The English, Placement, Psychological, and other required tests are a part of the registration procedure.

The Freshmen Week Program includes registration, placement and aptitude tests, physical examination, assemblies, and the President's reception.

ADMISSION OF FRESHMEN

Admission by Certificate: Graduates of secondary schools accredited by regional associations or the State Department of Education will be admitted by certificate upon the recommendation of the principal. Graduates of out-of-state schools should have attained college certification marks, such marks to be not less than one letter or ten points higher than the passing mark.

Graduates who fail to obtain the principal's recommendation will be considered by the Committee on Admissions. Supplementary information, including aptitude tests, will determine whether they are eligible for admission.

Admission by Examination: Applicants, who have passed the examinations set by the College Entrance Examination Board, 431 West 117th Street, New York City, the Regents of the University of the State of New York, Albany; or the Department of Public Instruction of the State of Pennsylvania, Harrisburg, will be admitted upon presentation of the proper credentials.

ADVANCED STANDING

Only students in good standing as to scholarship and conduct are eligible to transfer. Advanced standing is assigned to transfer students from accredited institutions under the following conditions:

1. A minimum of one year of resident work of not less than 45 quarter hours is necessary for a degree.
2. The University reserves the right at any time to revoke advanced standing if the transfer student's progress is unsatisfactory.

ADMISSION REQUIREMENTS

Below are shown (1) requirements for admission to the various under-graduate curricula, and (2) the curricula offered in the different colleges. The letter following the curriculum indicates the column in the table where the particular requirements are given.

1.	A	B	C	D	E
English.....	4	4	4	4	4
Algebra.....	1		*2	1	1
Plane Geometry.....	1		1	1	
Solid Geometry.....			*1½		
Mathematics.....		2			
History.....	1	1	1	1	1
Science.....	1	1	1	1	1
Foreign Language.....				2	
Stenography.....					**2
Typewriting.....					**1
Bookkeeping.....					1
Electives.....	8	8	6½	6	5
Total.....	16	16	16	16	16

* An applicant deficient a second unit in algebra and solid geometry may be admitted to the College of Engineering, and to the curricula in Chemistry, Mathematics, and Physics, but will be obliged to make up the second unit of algebra and the solid geometry before the beginning of the second semester of the freshman year.

** Students preparing to teach in the field of Business Practice may substitute electives for stenography and typewriting.

College of Agriculture

Agricultural Chemistry—C
 Agricultural Education and Rural Life—B
 Agriculture, Engineering—C
 Agriculture, General—B
 Agronomy
 Farm Crops—A
 Soils—A
 Animal Husbandry—B
 †Botany
 General Botany and Morphology—A
 Plant Pathology—A
 Plant Physiology and Ecology—A
 Dairy Husbandry
 Dairy Manufacturing—B
 Dairy Production—B
 †Entomology—A
 Farm Management—B
 Horticulture
 Floriculture and Ornamental Horticulture—B
 Pomology and Olericulture—B
 Poultry Husbandry—B
 Preforestry—A
 Preveterinary—A

College of Arts and Sciences

Bacteriology—A
 *Botany—A
 ***Chemical Engineering—C
 Chemistry—C
 †Economics—A
 **Education—A
 English—A
 *Entomology—A
 Food Technology—A
 French—A
 General Biological Sciences—A
 General Physical Sciences—C
 German—A
 History—A
 Latin—A

College of Arts and Sciences (con'd)

Mathematics—C
 Physics—C
 Political Science—A
 Predental—A
 †Prelaw—A
 Premedical—D
 Prenursing—A
 Psychology—A
 Sociology—A
 Speech—A
 Spanish—A
 Zoology—A
College of Business and Public Administration
 Accounting—A
 Agricultural Economics—A
 Cooperative Organization and Administration—A
 †Economics—A
 Finance—A
 General Business—A
 Marketing and Sales Administration—A
 †Prelaw—A

College of Education

†Arts and Sciences—A
 Commercial—E
 ****Home Economics—B
 Industrial—A (also in Baltimore)
 Physical—A

College of Engineering

†Chemical—C
 Civil—C
 Electrical—C
 Mechanical—C
 Mechanical with Aeronautical option—C

College of Home Economics

**Education—B
 Extension—B
 Food and Nutrition—B
 General Home Economics—B
 Institution Management—B
 Practical Art—B
 Textiles and Clothing—B

Special Students: Applicants who are at least twenty-one years of age, and who have not completed the usual preparatory course, may be admitted to such courses as they seem fitted to take. Special students are ineligible to matriculate for a degree until entrance requirements have been satisfied.

Unclassified Students: Applicants who meet entrance requirements but who do not wish to pursue a program of study leading to a degree are ineligible for admission to pursue courses for which they have met prerequisites.

* Also College of Agriculture. †Also College of Arts and Sciences. ‡Also College of Business and Public Administration. **Also College of Education. ***Also College of Engineering. ****Also College of Home Economics.

REQUIREMENT IN MILITARY INSTRUCTION

All male students who are citizens of the United States and are physically fit to perform military duty and who are not less than 14 or more than 26 years of age, are required to take military training as a prerequisite to graduation. Any student excused from taking basic military instruction because of physical disability must take physical education.

Students excused from basic military training and physical education without academic credit are required to take an equivalent number of credits in other subjects. Substitutions must be approved by the dean of the college concerned.

PHYSICAL EDUCATION FOR WOMEN

All women students who are physically fit for exercise are required to take physical education for a period of four years, as a prerequisite to graduation.

RESIDENCE AND NON-RESIDENCE

Students who are minors are considered to be resident students, if at the time of their registration their parents* have been residents of this State† for at least one year.

Adult students are considered to be resident students, if at the time of their registration they have been residents of this State† for at least one year; provided such residence has not been acquired while attending any school or college in Maryland.

The status of the residence of a student is determined at the time of his first registration in the University and may not thereafter be changed by him unless, in the case of a minor, his parents* move to and become legal residents of this State†, by maintaining such residence for at least one full calendar year. However, the right of the student (minor) to change from a non-resident to a resident status must be established by him prior to registration for a semester in any academic year.

REGULATION OF STUDIES

Schedule of Courses. A quarter time schedule of courses, giving days, hours, and rooms, is issued as a separate pamphlet at the beginning of each quarter. Classes are scheduled beginning at 8.10 A. M.

Definition of Credit Unit. The quarter hour, which is the unit of credit in the University, is the equivalent of a subject pursued one period a week for one quarter. Two or three periods of laboratory or field work are equivalent to one lecture or recitation period. The student is expected to devote three hours a week in classroom or laboratory, including outside preparation for each credit hour in any course.

* The term "parents" includes persons who, by reason of death or other unusual circumstances, have been legally constituted the guardians of and stand *in loco parentis* to such minor students.

† Students in the College Park Colleges who are residents of the District of Columbia are charged two-fifths of the non-resident fee charged to other non-residents.

Normal Student Load. The normal student load is from 15 to 19 quarter hours, according to curriculum and year.

Examinations. Examinations are held at the close of each quarter. Students are required to use the prescribed type of examination book in these tests.

Marking System. The following symbols are used for marks: A, B, C, and D, passing; F, Failure; I, Incomplete.

Mark A denotes superior scholarship; mark B, good scholarship; mark C, fair scholarship; and Mark D, passing scholarship.

In computing scholastic averages, numerical values are assigned as follows:—A—4; B—3; C—2 ; D—1; F—0.

At least three-fourths of the credits required for graduation must be earned with marks of A, B, and C. A student who receives the mark of D in more than one-fourth of his credits must take additional courses or repeat courses until he has met these requirements.

In the case of a candidate for a combined degree or of a transfer student with advanced standing, a mark of D will not be recognized for credit towards a degree in more than one-fourth of the credits earned at this institution.

REPORTS

Written reports of grades are sent by the Registrar to parents or guardians at the close of each quarter.

DELINQUENT STUDENTS

A student must attain passing marks in fifty per cent of the quarter hours for which he is registered, or he is automatically dropped from the University. The registrar notifies the student, his parent or guardian, and the student's dean of this action. A student who has been dropped for scholastic reasons may appeal in writing to the Committee on Admission, Guidance, and Adjustment for reinstatement. The Committee is empowered to grant relief for just cause. A student who has been dropped from the University for scholastic reasons, and whose petition for reinstatement is denied, may again petition after a lapse of at least one quarter.

The University reserves the right to request at any time the withdrawal of a student who cannot or does not maintain the required standard of scholarship, or whose continuance in the University would be detrimental to his or her health, or to the health of others, or whose conduct is not satisfactory to the authorities of the University. Students of the last class may be asked to withdraw even though no specific charge be made against them.

According to University regulations, excessive absence from any course is penalized by failure in that course. Students who are guilty of persistent absence from any course will be reported to the President or to his appointed representative for final disciplinary action.

JUNIOR STANDING

No student will be certified as a junior, or be permitted to select a major or minor, or to continue in a fixed curriculum until he or she shall have passed with an average grade as high as C (2.0) the minimum number of quarter credits required for junior standing in any curriculum.

DEGREES AND CERTIFICATES

The University confers the following degrees: Bachelor of Arts, Bachelor of Science, Master of Education, Master of Arts, Master of Science, Master of Business Administration, Doctor of Philosophy, Civil Engineer, Mechanical Engineer, Electrical Engineer, Chemical Engineer, Bachelor of Laws, Doctor of Medicine, Doctor of Dental Surgery, and Bachelor of Science in Pharmacy.

Students in the two-year and three-year curricula are awarded certificates.

No baccalaureate degree will be awarded to a student who has had less than one year of resident work in this University. The last forty-five credits of any curriculum leading to a baccalaureate degree must be taken in residence at the University of Maryland.

At least three-fourths of the credits required for graduation must be earned with grades of A, B, and C.

In the case of a candidate for a combined degree or of a transfer student with advanced standing, a grade of D will not be recognized for credit towards a degree in more than one-fourth of the credits earned at this institution.

Each candidate for a degree must file in the office of the Registrar three months prior to the date he expects to graduate, a formal application for a degree. Candidates for degrees must attend a convocation at which degrees are conferred and diplomas are awarded. Degrees are conferred in *absentia* only in exceptional cases.

FEEES AND EXPENSES

General

All checks or money orders should be made payable to the University of Maryland for the exact amount of the charges.

In cases where students have been awarded Legislative Scholarships or University Grants, the amount of such scholarship or grant will be deducted from the bill.

All fees are due and payable at the time of registration, and students should come prepared to pay the full amount of the charges. No student will be admitted to classes until such payment has been made.

The University reserves the right to make such changes in fees and other charges as may be found necessary. For example, board and lodging may vary from quarter to quarter, although every effort will be made to keep the costs to the student as low as possible.

No degree will be conferred upon, nor any diploma or certificate awarded to, a student who has not made satisfactory settlement of his account.

War Ration Books

Each student who boards in the University Dining Hall is required to present all War Ration Books for food rations at one of the desks in the registration line before he receives his dining hall card. When he pays his bill he will not receive his dining hall card of admission unless the bill is stamped that his ration books have been filed with the dining hall representative. If any stamp in the book is designated for some article other than food the book will be returned to the student for such time as he may need it.

Fees for Undergraduate Students

	Summer Quarter	Fall Quarter	Winter Quarter	Spring Quarter
Maryland Residents				
Fixed Charges.....	\$48.50	\$48.50	\$48.50	\$48.50
Athletic Fees.....	5.00	15.00		
Special Fees.....	5.00	10.00		
Student Activities Fees.....	5.00	10.00		
Infirmary Fees.....	2.00	2.00	2.00	2.00
Post Office Fees.....	1.00	1.00	1.00	1.00
Advisory and Testing Fee.....	.50	.50	.50	.50
Total for Md. Residents.....	\$67.00	\$87.00	\$52.00	*\$52.00

District of Columbia Residents

Non-Resident Fee for students
from District of Columbia in
addition to fees shown above....

17.00 17.00 17.00 17.00

**Total for District of Columbia
Students.....**

\$84.00 \$104.00 \$69.00 *\$69.00

**Residents of Other States and
Countries**

Non-Resident Fee for students
from other states and countries
in addition to fees shown above

\$42.00 \$42.00 \$42.00 \$42.00

Total for Non-Resident Students

\$109.00 \$129.00 \$94.00 *\$94.00

Board and Lodging

Board	\$110	\$110	\$110	\$110
Dormitory Room.....	\$28—\$45	\$28—\$45	\$28—\$45	\$28—\$45

Total for Board and Room.....\$138—155 \$138—155 \$138—155 \$138—155

The Special Fee is used for improving physical training facilities and for other University projects that have direct relationship to student welfare, especially athletics and recreation. This fee now is devoted to a fund for construction of a stadium, an addition to the coliseum, and a swimming pool, as soon as the fund is sufficient and materials are available.

The Students Activities Fee is included at the request of the Student Government Association. Its payment is not mandatory, but it is really a matter of economy to the student, since, in normal times, it covers subscription to the student newspaper, the magazine and the year book; class dues, including admission to class dances; and admission to the performances of the musical and dramatic clubs. There will be some curtailment of this program until after the war.

* Students entering the University for the winter quarter will pay the following additional fees; Athletic, \$10.00; Special, \$5.00; Student Activities, \$7.50.

* Students entering the University for the Spring quarter will pay the following additional fees: Athletic, \$5.00; Special \$5.00; Students Activities, \$5.00.

Other Fees and Charges

Matriculation Fee for undergraduates, payable at time of first registration in the University.....	\$5.00
Diploma Fee for Bachelor's degree, payable just prior to graduation....	10.00
Special Fee for students enrolled in Pre-Medical or Pre-Dental course:	
For Residents of Maryland.....	17.00
For Residents of the District of Columbia.....	17.00
For Residents of other states or countries.....	42.00
Fee for part-time students per credit hour.....	6.00

(The term "part-time students" is interpreted to mean students taking 6 quarter credit hours or less. Students carrying more than 6 quarter hours pay the regular fees.)

Late Registration Fee ..	3.00 to 5.00
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(All students are expected to complete their registration, including the filing of class cards and payment of bills, on the regular registration days. Those who complete their registration one day late will be charged a fee of \$3.00, and those who are more than one day late will be charged \$5.00).

Fee for change in registration after first week of instruction.....	1.00
Fee for failure to report for medical examination appointment.....	2.00
Special Examination Fee—to establish college credit—per quarter hour..	2.00
Makeup Examination Fee—(For students who are absent during any class period when tests or examinations are given)	1.00
Transcript of Record Fee.....	1.00

Laboratory Fees—Fees are charged in Chemistry, Bacteriology, Botany, Physics, Home Economics and other Science subjects, per course.. 1.00 to 8.00

Property Damage Charge—Students will be charged for damage to property or equipment. Where responsibility for the damage can be fixed, the individual student will be billed for it; where responsibility can not be fixed, the cost of repairing the damage or replacing equipment will be pro-rated.

Library Charges

Fine for failure to return book from general library before expiration of loan period..... .05 per day

Fine for failure to return book from Reserve Shelf before expiration of loan period

First hour overdue.....	.25
Each additional hour overdue.....	.05

In case of loss or mutilation of a book, satisfactory restitution must be made.

Text books and classroom supplies—These costs vary with the course pursued, but will average per quarter..... 18.00

Fees for Graduate Students

Tuition charge for students carrying more than 8 quarter credit hours....	\$50.00
Tuition charge for students carrying 8 quarter credit hours or less	\$6.00
Post Office Fee, payable by all students	\$1.00
Matriculation Fee, payable only once, at time of first registration.....	10.00
Diploma Fee (For Master's Degree).....	10.00
Graduation Fee (For Doctor's Degree).....	20.00

Notes: Fees in the Graduate School are the same for all students, whether residents of the State of Maryland or not.

All fees, except Diploma Fee and Graduation Fee, are payable at the time of registration for each quarter.

Diploma Fee and Graduation Fee must be paid prior to graduation.

Fees for Evening Courses

Matriculation Fee (Payable once, at time of first registration by all students—full time and part time; candidates for degrees, and non-candidates).

For Undergraduates..... \$5.00

For Graduates..... 10.00

Tuition Charge—(same for all students) (Limit six hours....per credit hour 6.00

Laboratory Fees—A small laboratory fee, to cover cost of materials used, is charged in laboratory courses. These fees vary with the course and can be ascertained in any case by inquiry of the Director of Evening Courses, or the instructor in charge of the course.

WITHDRAWAL AND REFUND OF FEES

If a student desires or is compelled to withdraw from the University at any time during the academic year, he should file a formal application for withdrawal, bearing the proper signatures as indicated on the form, with the Registrar's Office. A copy of this withdrawal application form may be obtained from the office of the Dean of the College in which the student is registered, or from the Registrar.

In the case of a minor, withdrawal will be permitted only with the written consent of the student's parent or guardian.

A student who fails to withdraw in the required manner will not be entitled to an honorable dismissal and will forfeit his right to any refund to which he might otherwise be entitled.

Students withdrawing from the University within five days after the beginning of instruction for the quarter are granted a full refund of all charges except board and lodging, with a deduction of \$5.00 to cover cost of registration. Board and lodging are refunded on a prorata basis.

Students withdrawing from the University after five days and before the end of three weeks from the beginning of instruction in any quarter will receive a prorata refund of all charges, less a deduction of \$5.00 to cover cost of registration. After the expiration of the three week period referred to, refunds will be made only for board. The refund for these items will be on a pro rata basis.

TRANSCRIPTS OF RECORDS

Any student or alumnus may secure a transcript of his scholastic record from the Registrar. No charge is made for the first copy so furnished, but for each additional copy, there is a charge of \$1.00.

Transcripts of records are of two kinds:

- (a) Informal transcripts which may be obtained by the student or alumnus for such personal use as he may wish; and

- (b) Official transcripts, bearing the University seal which are forwarded, on request, to educational institutions, Government agencies, etc., as attested evidence of the student's record at the University and his honorable dismissal therefrom.

Persons desiring transcripts of records should, if possible, make request of the Registrar for same at least one week in advance of the date when the records are actually needed.

No transcript of a student's record will be furnished in the case of any student or alumnus whose financial obligations to the University have not been satisfied.

AUTOMOBILES

Students living in Fraternity Houses, or in other houses near the campus are not permitted to drive automobiles on the campus. Those students who live at a distance who require automobiles for transportation must register their automobiles with the University. They must park their cars in designated parking areas when they arrive and may not remove them until they leave for the day.

STUDENT HEALTH AND WELFARE

Student Health Service

The University recognizes its responsibility for safeguarding the health of the student body and takes every reasonable precaution to this end. In addition to the physical examinations which are given all students on entrance to the University, health instruction is given to all freshman and sophomore students, and a modern, well equipped infirmary is available for the care of sick or injured students. A small fee is charged undergraduate students for infirmary service.

Physical Examinations

As soon as possible after the opening of the quarter, as a measure for protecting the general health, all students who enter the undergraduate colleges at College Park are given a physical examination. The examination of the men students is conducted by the University Physician in cooperation with the Physical Education and Military Departments.

The examination of women students is conducted by a woman physician in cooperation with the office of Physical Education for Women. The woman physician has her offices in the Infirmary. She is available for consultation by all women students.

Infirmary Service and Regulations

1. All undergraduate students may receive dispensary service and medical advice at the Infirmary during regular office hours established by the physician in charge.

Nurses' office hours, 3 to 5 p. m. and 6 to 8 p. m. daily except Sunday; 10 a. m. to 12 noon—6 to 7 p. m. Sunday.

Doctor's office hour 11 a. m. to 1 p. m. daily except Sunday, Office hour on Sunday by appointment.

2. A registered nurse is on duty at all hours in the Infirmary. Students are requested to report illnesses during office hours unless the case is an emergency.

3. Students not living in their own homes who need medical attention and who are unable to report to the Infirmary should call one of the University physicians. Such visits will be free of charge.

4. Students not residing in their own homes may, upon the order of the University physician, be cared for in the Infirmary to the extent of the facilities available. Students who live off the campus will be charged a fee of one dollar and a quarter a day.

5. The visiting hours are 10 to 11 a. m. and 7 to 7.30 p. m. daily. Each patient is allowed only three visitors at one time. No visitor may see any patient until permission is granted by the nurse in charge.

6. Hospitalization is not available at the Infirmary for graduate students and employees. Dispensary service, however, is available for graduate students and employees who are injured in University service or University activities.

7. Diagnostic laboratory and X-Ray tests are available. A nominal charge will be made for this service.

8. Students living in the dormitories, who are ill and unable to attend classes, must report to the Infirmary, between 8.00 and 9.00 a. m. If they are too ill to report to the Infirmary, they must notify the house mother so that the physician can be called to the dormitory. When possible this should be done before 8.30 a. m. If a student is taken sick at any other time he must report to the Infirmary, before going to his room.

9. For employees of the University who handle food and milk, the University reserves the right to have its physician make physical examinations, and such inspections of sanitary conditions in homes as in the opinion of the University physician may be desirable.

In case of illness requiring a special nurse or special medical attention, the additional expense must be borne by the student.

LIVING ARRANGEMENTS

Dormitories

Room Reservations. All new students desiring to room in the dormitories should request room application cards. Men should apply to the Dean of men, and women to the Office of the Dean of Women. When the room application card is returned, it must be accompanied by a \$15 deposit. This fee will be deducted from the first quarter charges when the student registers. Room reservations not claimed by freshmen or upper-classmen on their respective registration days will be cancelled. A room will be held by special request until after classes begin providing the dormitory office is notified by the first day of registration. Room reservation fees will not be refunded if the request is received later than one month before the first day of registration for the quarter for which arrangements were made.

Reservations by students in attendance at the University should be made at least two weeks before the close of the preceding quarter. New students are urged to attend to their housing arrangements well in advance of registration.

All freshmen students, except those who live at home, are required to room in the dormitories.

There are two dormitories on the campus for women, each under the supervision of a matron and the Office of Dean of Women.

All housing arrangements for women students must be approved by the Office of the Dean of Women.

Applications for rooms are considered only when a student has been fully admitted academically to the University. A student for whom a reservation has been made should report at registration time to the dormitory to which he or she has been assigned.

Students assigned to dormitories should provide themselves with sufficient single blankets, at least two pairs of sheets, a pillow, pillow cases, towels, a laundry bag, a shoe bag, and a waste paper basket.

The individual student must assume responsibility for all dormitory property assigned to him. Any damage done to the property other than that which would result from ordinary wear and tear will be charged to the student concerned.

It is understood that all housing arrangements which are made for the fall quarter are binding for the winter and spring quarters also.

Each student will be furnished a key for his room for which a deposit of \$1.00 will be made. This deposit will be returned in exchange for the key at the end of the year.

Laundry. The University does not provide laundry service and each student is responsible for his or her own laundry. There are several reliable laundry concerns in College Park; or, if a student prefers, he may send his laundry home. Women students may, if they wish, do their own laundry in the laundry room in each dormitory.

Personal baggage sent via the American Express and marked with a dormitory address will be delivered when the student concerned notifies the college Park express office of his arrival.

Off-Campus Houses.

Men: Only upper classmen are allowed to live in houses not under the control of the University. Inquiries about these should be addressed to the Office of the Dean of Men.

Women: Undergraduate women students who cannot be accommodated in the women's dormitories are referred to private homes which are registered in the Office of the Dean of Women as "Off-Campus Houses for Undergraduate Women." The householders in these homes agree to maintain the same rules and regulations as in the dormitories but business arrangements are made entirely between the student and the householder. Students and their parents should plan to see these accommodations personally and talk with the householder before making final arrangements. No woman student should enter into an agreement with a householder without first ascertaining at the office of the Dean of Women that the house is on the approved list.

Meals

All students who live in University dormitories must board at the University Dining Hall.

Students not living in the dormitories may make arrangements to board by the quarter at the dining hall, get their meals in the University Cafeteria, or at eating establishments in College Park. A few "off-campus houses" provide board as well as room.

OFFICE OF THE DEAN OF MEN

The office of the Dean of Men exists for the purpose of furnishing friendly counsel and helpful guidance to male students in connection with any of their personal problems, especially those relating to financial need, employment, housing, etc.

This office also handles for male students matters of student discipline and infringement of University regulations.

OFFICE OF THE DEAN OF WOMEN

The office of the Dean of Women serves in the same capacity for women students as does the Office of the Dean of Men for men students. In addition, it coordinates the interests of women students, handles matters of chaperonage at social functions, regulation of sorority rushing, etc. It has supervision over all housing accommodations for women students, whether on or off campus.

SCHOLARSHIPS AND FELLOWSHIPS

Legislative Scholarships

By Act of the Maryland Legislature in 1941, members of the Legislature were given the privilege of awarding scholarships to worthy students from their respective districts. Members of the House of Delegates may award one four-year scholarship. Members of the Senate may award three four-year scholarships.

Students desiring these scholarships are requested to contact either a State Senator or a member of the House of Delegates in their respective districts.

University Grants

The University of Maryland offers a limited number of tuition scholarships covering fixed charges to graduates of high schools or preparatory schools.

Since the University of Maryland is interested in encouraging students who show promise, these scholarships are awarded on the basis of a student's contribution to his high school, preparatory school, or University, his scholastic average, special talents, and evidence of leadership.

Albright Scholarship

A scholarship, known as the Victor E. Albright Scholarship, is awarded to a boy or girl of good character, born and reared in Garrett County and graduated from a high school in Garrett County during the year in which the scholarship is awarded. This scholarship is worth \$200.00 a year. The names of prospective scholars are forwarded to the Scholarship Committee by the high school principals of Garrett County and the selection is made by lot. The recipient of this award must maintain a B average for each quarter.

Sears Roebuck Agricultural Foundation Grants

A limited number of scholarships have been made available by the Sears Roebuck Agricultural Foundation for young men who have been reared on farms in the State of Maryland and who enroll as freshmen in the College of Agriculture. These grants apply only in the freshman year.

Application may be obtained from the Committee on Scholarships at the University.

Graduate Fellowships

For information concerning Graduate Fellowships, see section on Graduate School.

STUDENT EMPLOYMENT

A considerable number of students earn some money through employment while in attendance at the University. No student should expect, however, to earn enough to pay all of his expenses. The amounts vary, but some earn from one-fourth to three-fourths of all the required funds. At this time there are exceptional opportunities of this nature.

The University assumes no responsibility in connection with employment. It does, however, make every effort to aid needy students. The nearby towns and University departments are canvassed, and a list of available positions is placed at the disposal of students. Applications for employment should be made to the Dean of Men.

STUDENT LOAN FUNDS

Loan funds for worthy students are made available each year by the Kappa Kappa Gamma Sorority, the College Park Branch of the American Association of University Women, the District of Columbia Home Economics Society, and under the provisions of the will of the late Catherine Moore Brinkley. For details regarding these loan funds write to the Director of Admissions, College Park, Maryland.

UNIVERSITY POST OFFICE

The University operates an office for the reception, dispatch and delivery of United States mail, including Parcel Post packages, and for inter-office communications. This office is located in the basement of the Administration Building. It is not a part of the United States Postal System and no facilities are available for sending or receiving postal money orders. Postage stamps, however, may be purchased. United States mail is received and dispatched several times daily.

Each student in the University is assigned a post office box at the time of registration, for which a small fee is charged. Also, boxes are provided for the various University offices.

UNIVERSITY BOOKSTORE

For the convenience of students, the University maintains a Students' Supply Store, located in the basement of the Administration Building, where students may obtain at reasonable prices text books, stationery, classroom materials and equipment, confectionery, etc.

Students are advised not to purchase any text books until they have been informed by their instructors of the exact texts to be used in the various courses, as texts vary from year to year.

The bookstore is operated on a cash basis and credit is not extended to students.

RELIGIOUS INFLUENCES

The University recognizes its responsibility for the welfare of the students, not solely in their intellectual growth, but as human personalities whose development along all lines, including the moral and religious, is included in the educational process. Pastors representing the major demoninational bodies are officially appointed by the Churches for work with the students of their respective faiths. Each of the Students Pastors also serves a local church of his denomination, which the students are urged to attend.

COLLEGE OF AGRICULTURE

The College of Agriculture offers both general and specialized training for students who wish to prepare for professional work in the broad field of agriculture. Student programs are arranged with a view to correlating technical work with related sciences and cultural subjects. Education in fundamentals receives special attention. Accordingly, young men and women are given a basic general education while they are being instructed in the various branches of agriculture. In addition to offering this opportunity for thorough grounding in the related basic natural and social sciences, it is an objective of the College to provide trained personnel for agricultural and allied industries. This personnel is recruited from rural and urban areas. Farm-reared students enter either general or specialized curricula, while city-reared students tend to follow the specialized programs.

General

The College provides curricula for those who wish to engage in general farming, live stock production, dairying, poultry husbandry, fruit or vegetable growing, floriculture or ornamental horticulture, field crop production, or in the highly specialized scientific activities connected with these industries. It prepares men to serve as farm managers, with commercial concerns, as teachers in agricultural colleges, in departments of vocational agriculture, and as investigators in experiment stations, extension work, regulatory activities, and the United States Department of Agriculture. Its curricula in Animal Science, Botany (including Plant Physiology and Plant Pathology), Dairy Science, Entomology, Horticultural science, Poultry Science, and Soil Technology offer rich opportunities to students with scientific interests, and lead to positions in teaching, research, extension, and regulatory work.

War Effort

At the present time, in accordance with the problems confronting the nation as a whole, the work in the College of Agriculture is geared to the war effort. In the fields of Animal Husbandry, Crop Production, Dairying, Horticulture, and Poultry, special problems as they apply to food production are emphasized. Students receive the latest instruction in animal nutrition, fertilization and rotation of crops, economy in the use and production of concentrates, the dehydration and drying of foods, their preservation, grading, and shipment as these problems are peculiarly effected by the war. The effective use of machinery, its reconditioning and repair, and cost problems in terms of the labor situation receive special attention.

Admission

The requirements for admission are given under Admission requirements to the University.

Junior Standing

To attain junior standing in the College of Agriculture, a student must have an average grade of C in not less than 90 quarter hours.

Requirements for Graduation

A minimum of 195 quarter hours is required for graduation. The detailed requirements for each department are included in the discussion of Curricula in Agriculture.

Student Advisers

Each student in the College of Agriculture is assigned to a faculty adviser, either departmental or general.

Freshman Year

The program of the freshman year in the College of Agriculture is the same for all curricula of the College. Its purpose is to afford the student an opportunity to lay a broad foundation in subjects basic to agriculture and the related sciences, to articulate beginning work in college with that pursued in high or preparatory schools, to provide opportunity for a wise choice of programs in succeeding years, and to make it possible for a student before the end of the year to change from one curriculum to another, or from the College of Agriculture to the curriculum in some other college of the University with little or no loss of credit.

Agriculture Curriculum

	Quarters		
	I	II	III
Freshman Year			
Eng. 1-2-3—Survey and Composition.....	3	3	3
Chem. 1-2—General Chemistry.....	5	5	
Soils 1—Soils and Fertilizers.....			5
Bot. 1—General Botany.....	5		
Zoo. 1—General Zoology.....		5	
Bact. 1—General Bacteriology.....			5
*MI—Basic R.O.T.C. (men) 2-2-2.....	2	2	2
Freshman Lectures.....			
Elect one of the following:			
Modern Language.....	3	3	3
**Math. 10-11-12.....	3	3	3
Phys. 6-7-8—Introductory Physics.....	3	3	3
Introductory Agriculture:			
A. E. 1—Agr. Ind. and Resources.....	3		
A. E. 2—Farm Organization.....		3	
Agriculture Elective.....			3
	—	—	—
	18	18	18

With successful completion of the prescribed courses of the freshman year the student is prepared to follow any of the curricula in the College of Agriculture described in the following pages.

Agriculture—General

This curriculum is designed for persons wishing to return to the farm, enter work allied to farming, for those seeking a general rather than a specialized knowledge of the field of agriculture and for those preparing to be county agents, teachers, etc.

By proper use of the electives allowed in this curriculum, a student may choose a field of concentration in agriculture and at the same time elect courses that contribute to liberal education.

Agricultural Chemistry

This curriculum insures adequate instruction in the fundamentals of both the physical and biological sciences. It may be adjusted through the selection of elec-

* Women in the College of Agriculture will take the usual requirement in physical education for women.

** Students who expect to pursue curricula in Agricultural Chemistry and Agricultural Engineering must be prepared to elect Math. 15, 16 and 17, and Chem. 3.

tives to fit the student for work in agricultural experiment stations, soil bureaus, geological surveys, food laboratories, fertilizer industries and those handling food products.

The outline calls for five years of study. Completion of four years leads to the degree of Bachelor of Science, stressing chemistry particularly and related subjects as they apply to agriculture. By the proper use of electives in the fourth year, continuation of this course of study for the fifth year, and the presentation of a satisfactory thesis, the student may qualify for the Master's degree.

Agricultural Education and Rural Life

The primary objective of this curriculum is to prepare for teaching secondary vocational agriculture, work as county agents and allied lines of the rural education services. Graduates from this curriculum are in demand in rural businesses, particularly of the cooperative type. A number have entered the Federal service. Others are engaged in teaching and research in agricultural colleges. Quite a few have returned to the farm as owner-managers.

In addition to the regular entrance requirements of the University, involving graduation from a standard four-year high school, students electing the agricultural education curriculum must present evidence of having acquired adequate farm experience after reaching the age of fourteen years.

Students with high average may upon petition be relieved of certain requirements in this curriculum, when evidence is presented that either through experience or previous training the program is non-essential. Or they may be allowed to carry an additional load.

Agricultural Engineering

The department of Agricultural Engineering offers to students of agriculture training in those agricultural subjects which are based upon engineering principles. These subjects may be grouped under three heads: farm machinery and motors, farm buildings, and farm drainage.

Five-Year Program in Agriculture-Engineering

Students who wish to specialize in engineering with emphasis upon the physical and biological problem of agriculture may take a five year program in the College of Agriculture and Engineering. This program prepares students to enter State, Federal or commercial fields of activity in such work as soil and water conservation, rural electrification, design and sale of farm machinery and structures, and in the development of new uses for farm products and the profitable utilization of farm wastes and by-products.

Upon completion of the normal four year courses of study the degree of Bachelor of Science in Agriculture is granted. For the fifth year the student registers in the College of Engineering and at the end of that year, upon satisfactory completion of the required course of study, receives a degree in Civil, Electrical, Mechanical or Chemical Engineering.

Agronomy

The curricula in this department, Crop Production, Plant Breeding and Soils, are designed to prepare students for the following occupations: specialized crop farming, general farming, technical workers in private and public concerns, scientists in soil and crop technology, and agricultural representatives with commercial and industrial organizations.

Animal Husbandry

The curriculum in animal husbandry is designed to prepare students for three distinct professional fields: livestock farming, research, and as technicians and consultants in industry and business.

Botany

The department of Botany offers three major fields of work: general botany and morphology, plant pathology, and plant physiology and ecology. The required courses for the freshman and sophomore years are the same for all students. In the junior and senior years, the student elects botanical courses to suit his particular interests in botanical science. Through cooperation with the College of Education, students who wish to meet the requirements for the state high school teachers certificates may elect the necessary work in education.

The curriculum lays a broad foundation for students who wish to pursue graduate work in botanical science in preparation for college teaching and for research in state experiment stations, in the United States Department of Agriculture, and in private research institutions and laboratories.

The curriculum also affords students an opportunity to train for extension work, for positions with seed and canning companies, spray manufacturers, and other commercial concerns.

Dairy Husbandry

This department offers instructions in two major lines of work: dairy production and dairy manufacturing. The curricula are designed to prepare students for practical work in dairy farming and dairy manufacturing industries, for scientific work in dairy industry, and as technical workers with milk cooperatives, dairy breed associations, and private and public concerns.

Entomology

This curriculum trains students for work in State and Federal entomological bureaus, in preparation for commercial pest control operations and for actual insect control on their own farms. In addition, entomology is taught as a cultural subject because of its wide field of application, its varied subject matter, and the general interest of the public in the small creatures about it.

Farm Management*

The curriculum in farm management is designed to prepare students for positions as farm operators and managers; with farm organizations, such as the Farm Bureau and farmers' co-operatives, with private and corporate business concerns; and with State and Federal agencies, such as college teachers, Extension and investigational workers.

Horticulture

This department offers instruction in pomology (fruits), olericulture (vegetables) floriculture (flowers), and ornamental gardening. These courses prepare students to enter commercial production and the horticultural industries. Students are likewise prepared to enter the allied industries as horticultural workers with fertilizer companies, seed companies, equipment manufacturers, and others. Students who wish to enter specialized fields of research and teaching may take advanced work in the department.

* Students electing the Farm Management curriculum must present evidence of having acquired at least one year of practical farm experience.

Poultry Husbandry

The curriculum in poultry husbandry is designed to give the student a thorough knowledge of subject matter necessary for poultry raising; the marketing, distribution, and processing of poultry products; poultry improvement work, and as a basis for graduate training for teaching and research in poultry husbandry.

Special Students in Agriculture

Mature students may, with consent of the Dean, register as special students and pursue a program of studies not included in any regular curriculum, but arranged to meet the needs of the individual. All university fees for these special students are the same as fees for regular students.

There are many young farmers who desire to take short intensive courses in their special lines of work during slack times on the farm. Arrangements have been made to permit such persons to register at the office of the Dean of the College of Agriculture and receive cards granting them permission to visit classes and work in the laboratories of the different departments. This opportunity is created to aid florists, poultrymen, fruit-growers, gardeners, or other interested persons who are able to get away from their work at some time during the year.

The regular charges are \$5.00 for registration and \$1.50 per credit hour per month for the time of attendance. One registration is good for any amount of regular or intermittent attendance during a period of four years.

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is meeting the war emergency needs in education by offering in the natural sciences essential war training courses in Chemistry, Physics, Mathematics, Bacteriology, and Food Technology. In the Social Sciences, training preparatory to the field of Personnel Management and Social Work is offered. The Foreign Service Curriculum comprises training in Modern Languages, History, Political Science, Economics, Geography, and allied subjects. Meeting other war training needs is the required pre-professional training for medicine, dentistry, veterinary medicine, and nursing.

For the civilian student the college provides liberal training in the Biological Sciences, Economics, History, Languages and Literature, Philosophy, the Physical Sciences, Political Science, Psychology, and Sociology. This training affords the student an opportunity to acquire a general education which will serve as a foundation for whatever profession or vocation he may choose.

Divisions

The College of Arts and Sciences is divided into one Lower Division and four Upper Divisions. Under the latter are grouped the following departments:

- A. The Division of Biological Sciences: Bacteriology, Botany, Entomology, Genetics, and Zoology.
- B. The Division of Humanities: Art, Classical Languages and Literatures, Comparative Literature, English Literature and Philology, Foreign Languages and Literatures, Music, Philosophy, and Speech.
- C. The Division of Physical Sciences. Astronomy, Chemistry, Geology, Mathematics, and Physics.
- D. The Division of Social Sciences. Economics, History, Political Science, Psychology, and Sociology.

The work of the first and second years in the College of Arts and Sciences is taken in the Lower Division. It is designed to give the student a basic general education, and to prepare him for specialization in the junior and senior years.

The Upper Divisions direct the courses of study of students doing their major work in the College of Arts and Sciences during their junior and senior years.

Requirements for Admission

The requirements for admission to the College of Arts and Sciences are, in general, the same as those for admission to the other colleges and schools of the University.

For admission to the pre-medical curriculum, two years of any one foreign language are required. A detailed statement of the requirements for admission to the School of Medicine and the relation of these to the pre-medical curriculum may be obtained by writing the Director of Admissions.

Degrees

The degrees conferred upon students who have met the requirements prescribed in the College of Arts and Sciences are Bachelor of Arts and Bachelor of Science.

Students of this college who have completed the regular course in either the Division of Humanities or the Division of Social Sciences are awarded the degree of Bachelor of Arts. Any student who has met the requirements for the degree of Bachelor of Science is awarded that degree, provided the major portion of the work has been done in the field of science, and the application has the approval of the science department in which the major work has been carried.

Students who have elected the combined program of Arts and Sciences and Medicine may be granted the degree of Bachelor of Science after the completion of at least 150 quarter credits in this college and the first year of the school of Medicine.

Those electing the combined five-year Academic Nursing curriculum, for which the degree of Bachelor of Science in Nursing may be awarded upon the completion of the full course, must first take the Pre-Nursing curriculum in the College of Arts and Sciences before the Nursing Course in Baltimore.

Those taking the combined course in Arts and Law may be awarded the Bachelor of Arts degree after the completion of three years of the work in this college and one year of the full-time law course, or its equivalent, in the School of Law.

Residence

The last forty-five credits of any curriculum leading to a baccalaureate degree in the College of Arts and Sciences must be taken in residence in this University.

Requirements for Degrees

The Baccalaureate degree from the College of Arts and Sciences may be conferred upon a student who has satisfied the following requirements:

1. University Requirements.
2. College of Arts and Sciences Requirements:

A minimum of 195 quarter credits must be acquired, including the twenty-seven credits of basic military science required of all able-bodied men students, or the eighteen credits of physical education for women and for such men as are excused from military science.

A student must acquire at least 98 credits, with an average grade of at least C in the Lower Division, before being admitted to an Upper Division.

The following minimum requirements should be fulfilled, as far as possible, before the beginning of the junior year and must be completed before graduation:

- I. English and Speech—twenty-one credits. Of these, Survey and Composition I (Eng. 1, 2, 3,) and Public Speaking (Speech 1, 2) are required.
- II. Foreign Languages and Literature—eighteen credits of one language, (including Latin or Greek). Students wishing to enroll in a language they have studied in high school will be given a placement test.
- III. Social Sciences—eighteen credits. This requirement is fulfilled by electing courses in Economics, History, Political Science, Psychology, and Sociology.
- IV. Natural Sciences and Mathematics—eighteen credits. Of these one year must be in natural science.
- V. Military Science or Physical Education—eighteen credits or twelve credits, respectively in physical education.

3. Major and Minor Requirements—When the requirements of the Lower Division have been completed each student must select a major in one of the fields of study of an Upper Division, and before graduation must complete a major and a minor. The courses constituting the major and the minor must conform to the requirements of the department in which the major work is done.

Before beginning a major or minor the student must have an average of not less than C in fundamental courses in the fields chosen.

A major shall consist, in addition to the underclass departmental requirements, of 30 to 54 hours, of which 15 must be in courses numbered 50 to 99.

A minor shall consist, in addition to the underclass departmental requirements, of 18 to 30 hours, of which 12 must be in courses numbered 50 to 99. Minor courses shall be chosen with the advice of the major in consultation with the minor department to supplement the student's major work.

The average grade of the work taken in the major and minor fields must be at least C. A general average of at least C is required for graduation.

Certification of High School Teachers

If courses are properly chosen in the field of education, a prospective high school teacher can prepare for high school positions, with major and minor in one of the Upper Divisions of this College.

Advisers

Freshmen and sophomores in this college shall consider the Dean of the College and the Chairman of the Lower Division their general advisers.

On admission to the University each student of the College of Arts and Sciences is assigned to a member of the faculty of the College, who serves as his special adviser. The student should consult his special adviser on all matters of his university life in which he may need advice.

Juniors and seniors will consider the chairman of their major department their adviser, and shall consult him about the arrangements of their schedules of courses and any other matters in which they may desire advice.

The Lower Division

The work of the first six quarters in the College of Arts and Sciences is designed to give the student a basic general education, and to prepare him for specialization in the latter part of his course.

It is the student's responsibility to develop in these earlier years such proficiency in basic subjects as may be necessary for his admission into one of the Upper Divisions of the College. Personal aptitude and a general scholastic ability must also be demonstrated, if permission to pursue a major study is to be obtained.

Suggested courses of study are given under certain of the Upper Divisions. The student should follow the curriculum for which he is believed to be best fitted. It will be noted that there is a great deal of similarity in these outlines for the first six quarters, and a student need not consider himself attached to any particular Upper Division until the beginning of his seventh quarter, at which time he is required to select a major.

The minimum requirements of the College of Arts and Sciences, as outlined on page 25, should be completed as far as possible in the Lower Division.

Arts and Sciences Curriculum

FRESHMAN YEAR	Required:	Quarters		
		I	II	III
*Eng. 1, 2, 3—Survey and Composition.....		3	3	3
Speech, 1, 2—Public Speaking.....		2	2	
**Foreign Language (including Latin and Greek).....		3	3	3
Science (Bot., Chem., Math., Physics, Zool.).....		3 or 5	3 or 5	3 or 5
M. I.—Basic R. O. T. C.	}			
Phys. Ed.—Personal Hygiene		2	2	2
Phys. Ed.—Physical Activities				
Elect from the following so that the total credits each quarter are 16 to 18:				
Hist. 1, 2, 3—Survey Western Civilization.....		3	3	3
Hist. 4, 5, 6—History of England and Great Britain ..		3	3	3
Hist. 7, 8, 9—American History.....		3	3	3
Pol. Sci. 1—American National Government.....		3	or 3	or 3
Library Science 1—Library Methods.....			2	or 2
Comp. Lit.—Greek Poetry.....		2	2	
Comp. Lit.—Later European Epic Poetry.....			2	2
Music 1, 2, 3, 4, 5.....		3	3	3
		16-18	16-18	16-18
SOPHOMORE YEAR		IV	V	IV
Eng. 4, 5, 6—Survey and Composition.....		3	3	3
Foreign Language.....		3	3	3
General Electives fulfilling, as far as possible, the specific requirements of the College of Arts and Sciences		9-10	9-10	9-10
M. I.—Basic R. O. T. C.	}			
Phys. Ed.—Community Hygiene		2	2	2
Phys. Ed.—Physical Activities				
		17-18	17-18	17-18

* A placement test in English is given during Registration Week to assist in determining whether a student is adequately prepared for Eng. 1. After this the student is given five weeks trial in Eng. 1. If he has failed the original examination and is also unsuccessful in an examination at the end of the five weeks period, he is transferred to Eng. A, a preparatory course without credit. He may also be placed in Eng. A if he passes the original examination, but fails the second.

** A placement test is given during Registration Week for students wishing to pursue a language they have studied in high school.

Division of Biological Sciences

The Division of Biological Sciences is organized to stimulate close coordination between all activities in the field of biology. The Division includes the Departments of Bacteriology and Zoology.

Each department within the Division has one or more established curricula. To meet the demands for technically trained workers in the biological sciences these curricula are designed to give specialized training, particularly during the last two years of college work. They provide the basic knowledge and experience required for (1) teaching in secondary schools; (2) research and regulatory work in Federal, State, and municipal departments and bureaus; (3) admission to graduate study in the preparation for college teaching and advanced research; and (4) entrance to the professional schools of Medicine, Dentistry, and Nursing.

Bacteriology. The curriculum in Bacteriology is arranged to provide training in all the principal phases of the science; namely, (1) the cause and prevention of disease, including the identification of the causative bacteria, (2) the phenomena of immunity, including application in disease, (3) the laboratory diagnostic procedures for medical technicians, (4) the microbiology of foods and milk, soil, sanitation and water purification, and (5) bacterial metabolism and classification.

Medical Technology. The Department of Bacteriology offers two years of training for those students desiring to become medical technicians, but who are not in a position to complete the four-year curriculum in bacteriology.

The modern practice of medicine requires the aid of the laboratory and trained personnel for this service. The clinical laboratory technician is a person who, by education and training, is capable of performing the various routine microscopic, chemical, and bacteriological tests used in the diagnosis and treatment of disease.

Food Technology. This curriculum offers combinations of courses that will equip the student with an unusually broad knowledge of food manufacture. In the curriculum are combined many of the fundamentals of biology, chemistry, and engineering which, when supported by the proper electives and by practical experience, will serve as an excellent background for supervisory work in food factory operation, salesmanship, research in the food industries, etc.

Zoology. The Zoology Department offers courses designed to train students for teaching and for service in the biological bureaus of the United States Government, in the biological departments of the various states, and in various branches of the military service. Emphasis is placed on morphology, physiology, and marine biology. Instruction and opportunities for original investigation in the latter are supplemented by the research facilities and courses of instruction offered at the Chesapeake Biological Laboratory.

B—The Division of Humanities

The Division of Humanities is composed of the Departments of Art, Classical Languages, Comparative Literature, English Language and Literature, Foreign Languages and Literatures, Music, Philosophy, and Speech.

The Division has two main functions: (1) to provide for its own major students a thorough training in literature, philosophy, languages, and the fine arts; (2) to furnish a background for students in other Divisions, especially for those taking pre-professional work.

The Division offers major and minor work for the Master of Arts and the Doctor of Philosophy degrees in English Language and Literature and in Foreign Languages and Literatures. Major work for the Master of Arts may be elected

in General Linguistics and Comparative Literature, and minor work in Philosophy. Detailed requirements for these degrees are given in the catalogue of the Graduate School.

C—The Division of Physical Sciences

The Division of Physical Sciences is composed of the departments of Astronomy, Chemistry, Geology, Mathematics, and Physics. On the following pages the division outlines a number of curricula, each requiring twelve quarters for completion, leading to the degrees of Bachelor of Science or Bachelor of Arts together with fifteen-quarter programs in Chemistry, Chemical Engineering, and Applied Physics. The departments of study have developed courses to contribute to the liberal education of students not primarily interested in science; to provide the basic knowledge of the physical sciences necessary in such professions as agriculture, dentistry, engineering, home economics, medicine, pharmacy, and others; to equip teachers of the Physical Sciences for secondary schools and colleges; and to train students for professional service as chemists, chemical engineers, geologists, mathematicians, physicists and statisticians; and to prepare for graduate study and research in the Physical Sciences.

The fields of knowledge represented by the Physical Sciences are so vast and their applications are so important that it is impossible to deal adequately with any one in a four-year undergraduate curriculum. Students who aspire to proficiency are therefore encouraged to continue their studies in the graduate years. In the work leading to a Master's degree, the student becomes acquainted with the general aspects of the field. In partial fulfillment of the requirements for the degree of Doctor of Philosophy, the student must demonstrate a command of his field sufficiently great to permit him to make independent investigations and creative contributions.

Mathematics. The mathematics curriculum is designed for students who desire a thorough training in the fundamentals of mathematics in preparation for teaching, research, or graduate work in mathematics.

Students majoring in mathematics who have completed freshman and sophomore courses with distinction in the honors sections are eligible to try for honors in mathematics. To receive the honors degree in mathematics, a student must: (1) complete the curriculum in mathematics with an average grade of B in all subjects; (2) pass an honors examination in mathematics at the end of the senior year; (3) write a satisfactory thesis on an assigned topic in mathematics in the latter half of the senior year. Students who wish to try for honors in mathematics should consult the chairman of the department at the conclusion of their sophomore year.

The curriculum suggested below offers the student a minor in Physics. It is possible, however, for the student to minor in other fields, such as statistics or chemistry.

Chemistry. The Department of Chemistry includes analytical, biological, inorganic, organic, and physical chemistry.

Physics. The Physics curriculum is designed for students who desire a thorough training in the fundamentals of Physics in preparation for graduate work, and the teaching of Physics. It is also intended to prepare students for positions in governmental laboratories and in the laboratories established by many industries for testing, research, and development through the application of physical principles and tools.

D—The Division of Social Sciences

The Division of Social Sciences includes the departments of Economics, History, Political Science, Psychology, and Sociology.

In addition to supplying such courses as are required by other divisions and other colleges of the University, the departments in the Division of Social Sciences offer opportunities for advanced training in the several fields represented. A major in Economics is available for students in the College of Arts and Sciences. During the freshman and sophomore years, in addition to the College of Arts and Sciences requirements, Principles of Economics should be completed and as many other lower division social science courses taken as practicable. The Department of Political Science offers the first three years of a combined Arts-Law course and also offers training in the field of public administration. The Department of Psychology is identified with the development of applied psychology and is in position to supply training in the industrial and clinical phases of the subject. The Department of Sociology provides a course of study preparatory to professional training in social work and offers the courses demanded by civil service examinations for certain positions. All five departments present courses aligned with the teacher-training program represented in the Arts-Education curriculum.

All of the departments offer graduate instruction leading to the degrees of Master of Arts and Doctor of Philosophy. These advanced degrees are increasingly required for secondary school teaching and for professional positions in the several fields represented.

Combined Program In Arts and Law

The School of Law of the University requires two years of academic credit for admission to the school, or 102 quarter hours of college credit.

The University also offers a combined program in Arts and Law, leading to the degrees of Bachelor of Arts and Bachelor of Laws. Students pursuing this combined program will spend the first three years in the College of Arts and Sciences at College Park. During this period they will complete the prescribed curriculum in pre-legal studies as outlined below, or a total of 147 quarter credit hours, and they must complete the Requirements for Graduation. If students enter the combined program with advanced standing, at least the third year's work must be completed in residence at College Park. Upon the successful completion of one year of full-time law courses in the School of Law in Baltimore, the degree of Bachelor of Arts may be awarded on the recommendation of the Dean of the School of Law. The degree of Bachelor of Laws may be awarded upon the completion of the combined program.

Public Administration

A curriculum, consisting of a major in Political Science and a minor in Economics, is offered for the benefit of those students who are looking forward to an administrative career in the public service.

Economics: A major in Economics is available to students in the College of Arts and Sciences. During the freshman and sophomore years, in addition to the requirements of the College of Arts and Sciences, Principles of Economics, Econ. 31, 32, 33, and 18 other credits in the social sciences should be completed. Principles of Accounting, B. A. 20, 21, 22, is strongly recommended as an elective course which may be taken in either the sophomore or junior years. Elements of

Statistics and Business Statistics, B. A. 130 and 131, are also recommended for those students who intend to enter Government work.

Clinical Psychology

A curriculum of studies is offered which will provide basic training in psychology and allied subjects for students who anticipate entering the growing field of clinical psychology. It is designed as a broad undergraduate background leading to specialization, preparatory to entering the field of psychological diagnosis and guidance in schools and universities, mental hospitals, child welfare organizations, mental health clinics, and similar institutions.

Personnel Management

A program of training in Personnel Management is available in the College of Arts and Sciences with primary work in Psychology, designed for students looking forward to personnel activities in the Armed Services, Business and Industry, and Government. It is intended that the curriculum will be flexible enough to meet the needs and interests of students in each of these special services.

Foreign Service Curriculum

This curriculum is designed to prepare students for positions in the foreign service of the Federal Government and private business organizations. It is anticipated that numerous positions in this field—such as commercial attaches, marketing specialists, sales representatives, economic advisers, relief administrators—will develop out of the larger responsibilities the United States will be called upon to assume in the postwar period. In addition to training in the fundamentals of the natural and social sciences, the students will receive instruction (so far as available teaching personnel permits) in the language, geography, demography, economic resources, government and social institutions of the peoples inhabiting the region where he expects to do his work. The training in language will be sufficiently intensive to give the student a useful conversational and reading ability in the shortest possible time.

	Quarters		
FRESHMAN YEAR	I	II	III
Eng. 1, 2, 3—Survey and Composition	3	3	3
Speech 2—Fundamentals of Speech			3
Natural Science	5	5	
Foreign Language	3	3	3
Hist. 1, 2, 3—Survey of Western Civilization	3	3	3
Econ. 1, 2, 3—Economic Resources of the World	2	2	2
M. I.—Basic R. O. T. C.	2	2	2
	—	—	—
	18	18	16
SOPHOMORE YEAR	IV	V	VI
Eng. 4, 5, 6—Survey and Composition	3	3	3
Econ. 31, 32, 33—Prins. of Economics	3	3	3
Natural Science	3	3	3
Foreign Languages—Conversation	5	5	5
Soc. 5—Comparative Sociology	3		
Psych. 1—Introduction to Psychology		3	
Pol. Sci. 1—American National Government			3
M. I.—Basic R. O. T. C.	2	2	2
	—	—	—
	19	19	19

JUNIOR YEAR	VII	VIII	IX
Pol. Sci. 7, 8, 9.—Comparative Government.....	2	2	2
Foreign Language—Advanced Composition.....		3	3
N. H. R. 110—Geog. Background of Md. Probs.	3		
Econ. 131—Comparative Econ. Systems.....	4		
Pol. Sci. 54—Probs. of World Politics.....			3
N. H. R. 112—Geog. of Southern Asia.....		3	
Hist. 129—U. S. in World Affairs.....			3
P. A. 130—International Econ. Policies and Rels.	4		
P. A. 137—Econ. Planning and P. W. Probs.		4	
Soc. 51—Postwar Probs. of Sec. Org.....			3
Econ. 150—Marketing Prins. and Org.....		4	
M. I. —Advanced R. O. T. C.....	2	2	2
	<hr/> 15	<hr/> 18	<hr/> 16
SENIOR YEAR	X	XI	XII
Pol. Sci. 111—Public Administration.....	3		
Pol. Sci. 102—International Law.....		3	
Language.	4	4	4
B. A. 157—Foreign Trade Procedure.....		4	
P. A. 170—Transportation I, Public Regulation.....		4	
Soc. 108—World Population Problems.....			3
M. I. —Advanced R. O. T. C.....	2	2	2
Electives.....	8		8
	<hr/> 17	<hr/> 17	<hr/> 17

The Pre-Professional Curricula

Combined Arts and Nursing. The first part of this curriculum is taken in the College of Arts and Sciences at Collège Park. If a student enters this combined program with advanced standing, at least the second full year of this curriculum must be completed in this college.

The professional training is taken in the School of Nursing of the University in Baltimore or in the Training School of Mercy Hospital, Baltimore. In addition to the Diploma in Nursing, the degree of Bachelor of Science in Nursing may, upon the recommendation of the Director of the School of Nursing, be granted at the end of the professional training.

Pre-Medical. The College of Arts and Sciences has established a course of study, the completion of which fulfills the academic requirements for entrance to the School of Medicine. This course incorporates the requirements of the Army Specialized Training Program and those of the Council on Medical Education of the American Medical Association. Students who complete this work are qualified to apply for admission to any Class A Medical School.

This work as outlined below may be completed in five quarters or six quarters, depending upon the amount of time available to the student. The two courses are essentially the same except that the six-quarter course offers greater opportunity for advanced work in the natural sciences and a broader study of the social sciences.

**Pre-Medical, Pre-Dental and Pre-Veterinary Curriculum as established
on a six-quarter basis**

	Quarters					
	I	II	III	IV	V	VI
Mathematics 10, 11, 12, 25.....	3	3	3			3
Chemistry 1, 3, 5, 35, 36, 37, 38.....	5	5	3	5	5	
Physics 1, 2, 3.....				5	5	5
Zoology 2, 3, 5.....	5	5	5			
English 1, 2, 3, 7, 8, 9.....	3	2	2	2	2	2
History 7, 8, 9.....				3	3	3
Geography (Economic Resources).....	2	2	2			
Psychology 1, 2.....				3	3	
Physical Training.....	2	2	2	2	2	2
Military Training.....	2	2	2	2	2	2
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	22	21	19	22	22	17

Students may elect other courses. Courses in Modern Language and Public Speaking are recommended as electives.

Combined Arts and Medicine. This curriculum offers to students a combined program leading to the degrees of Bachelor of Science and Doctor of Medicine. The professional work consists of a minimum of 150 quarter credits, to which are applied the college regulations regarding the attainment of an average of C or higher and a maximum of one quarter of the total hours in B. The professional training is taken in the School of Medicine in Baltimore.

Upon the successful completion of the first year in the School of Medicine, and upon the recommendation of the Dean of the School of Medicine, the degree of Bachelor of Science may be conferred by the College of Arts and Sciences at the Commencement following the second year of professional training.

At least one year of residence in the College of Arts and Sciences is required of students transferring from other colleges and universities who wish to become candidates for the two degrees.

Pre-Veterinary. Students who desire to prepare themselves for the study of Veterinary Science are offered, by the College of Arts and Sciences, a curriculum which meets the requirements of the Army Specialized Training Program. The successful completion of this curriculum qualifies the student to apply for admission to any College of Veterinary Science. The increased need for men trained in this field is met by the accelerated study found in this pre-professional curriculum.

The course is identical with that required of pre-medical students as outlined on this page.

Pre-Dental. Students entering the College of Arts and Sciences who desire to prepare themselves for the study of dentistry are offered a curriculum which meets the pre-dental requirements of the American Association of Dental Colleges and the Army Specialized Training Program. This curriculum may also be followed by the student if he desires to continue his college training and complete work for the Bachelor of Science degree.

This curriculum is identical with that offered to pre-medical students and is outlined on this page.

General Science. For students who desire a general basic knowledge of the physical and biological sciences without immediate specialization in any one, a general curriculum is offered. By proper selection of courses in the junior and senior year a student may concentrate his work sufficiently in any one of the fields of study to be able to continue in graduate work in that field.

Students interested in this curriculum should consult the Dean of the College of Arts and Sciences.

Pre-Service Training for Men and Women

A special curriculum of study, arranged for women students who desire to enter the WAVES, WACS, or Marines and for men who wish to emphasize their preparation for Officers Candidates School, is offered in the College of Arts and Sciences. Stress is laid on such courses as American History, Psychology, Physics, Government, International Relations, English, Languages, Transportation, Map making, and Secretarial Training.

Curriculum for Men

	Quarters		
	I	II	III
English 1-2-3.....	3	3	3
Speech 1-2.....	2	2	
Mathematics (Alg.-Trig.-Anal.).....	3	3	3
American History.....	3	3	3
Psychology (A).....			3
Language.....	3	3	3
American National Government.....	3		
Comparative Government.....		3	3
R. O. T. C.....	2	2	2
Physical Education.....	2	2	2
	—	—	—
	21	21	22
	IV	V	VI
English, Second Year.....	3	3	3
Physics.....	5	5	
Engineering Drawing 1			2
Languages.....	3	3	3
Psychology.....	3	3	3
Economics.....	3	3	3
R. O. T. C.....	2	2	2
Physical Education.....	2	2	2
	—	—	—
	21	21	18

	VII	VIII	IX
Language.....	3	3	3
Geography.....	3	3	3
Engineering Drawing 2.....	2		
Chemistry.....		5	5
Geology.....	3		
International Relations, Pol. Sci. 51.....			3
Political Parties. Pol. Sci. 71.....	3		
International Law. Pol. Sci. 102.....		3	
American Government in Wartime. Pol. Sci. 174.....			3
Electives.....			3
R. O. T. C.....	2	2	2
Physical Education.....	2	2	2
	—	—	—
	18	18	24
	X	XI	XII
Language.....	3	3	3
Plane Surveying.....	3	2	2
Map Making.....		3	3
Elective.....	10	8	8
R. O. T. C.....	2	2	2
Physical Education.....	2	2	2
	—	—	—
	20	20	20

Curriculum for Women

	Quarters		
	I	II	III
English 1-2-3.....	3	3	3
Speech 1-2.....	2	2	
Mathematics. 10-Algebra.....	3		
Mathematics. 11-Trig.....		3	
American History. Hist. 7-8-9.....	3	3	3
Psychology (A)-1-15.....	3	3	3
Chemistry 1.....			5
Secretarial Training. S. T. 1-2.....	0	0	
Secretarial Training. S. T. 10-11.....		1	1
Physical Education.....	2	2	2
	—	—	—
	16	17	17
	IV	V	VI
Expository Writing. Eng. 7-8.....	3	3	
Business English. Eng. 6.....			3
Chemistry 2.....	5		
Physics 1-2.....		5	5
American Nat'l Govt. Pol. Sci. 1.....	3		
Comparative Govt. Pol. Sci. 7-8.....		3	3
Secretarial Training. S. T. 12-13-14.....	3	3	3
Physical Education.....	2	2	2
	—	—	—
	16	16	16

	VII	VIII	IX
Economics 31-32-33.....	3	3	3
Principles of Accounting. B. A. 1-2-3.....	4	4	4
Elements of Statistics. B. A. 130.....	4		
Business Statistics. B. A. 131-132.....		4	4
World Politics. Pol. Sci. 54.....	3		
International Relations. Pol. Sci. 51.....			3
International Law. Pol. Sci. 102.....		3	
Secretarial Training. S. T. 16-17-18.....	3	3	3
Physical Education.....	2	2	2
	—	—	—
	19	19	19

	X	XI	XII
Business Law. B. A. 180-181-182.....	3	3	3
Money and Banking. Econ. 140.....	3		
Theory of Money. Econ. 141.....		3	
Transportation.....			3
World Geography.....	3	3	3
Electives.....	6	6	6
Physical Education.....	2	2	2
	—	—	—
	17	17	17

COLLEGE OF BUSINESS AND PUBLIC ADMINISTRATION

The College of Business and Public Administration offers an accelerated program of study and training designed to prepare young men and women for service in business firms and government agencies, and for the teaching of commercial subjects and economics in high schools and colleges. It supplies scientific business training to students and prospective executives on a professional basis, comparable to university training in the other professional fields. Administration is regarded as a profession, and the College of Business and Public Administration prepares its students for this profession by offering courses of instruction which present general principles and techniques of management and administration and bring together in systematic form the experiences of business firms and governmental units.

Degrees

The University confers the following degrees on students in the College of Business and Public Administration: Bachelor of Science, Master of Business Administration, and Doctor of Philosophy. (See bulletin of Graduate School for graduate rules and regulations.)

Programs of Study

The College offers programs of study in economics, business administration, secretarial training, natural and human resources, foreign trade, public administration, and a number of combination curricula, e.g., business administration and law, commercial teaching, industrial education, chemistry, agriculture, and basic engineering courses. Research is emphasized throughout the various programs.

The college study programs on both the undergraduate and graduate levels presuppose effective training in English, history, government, language, science, and mathematics. The program of study for any individual student may be so arranged as to meet the needs of those preparing for specific lines of work, such as accounting, advertising, banking, foreign trade, industrial management, marketing management, personnel management, real estate practice, insurance, government employment, secretarial work, commercial teaching, and research.

Freshman and Sophomore Requirements

During the first half of the program of study each student is expected to complete the following basic or core subjects:

Required Courses:	English and Speech, 12 quarter hours.....	12
	Mathematics, Science, or Language, minimum of 9 quarter hours.....	9
	Economic Resources, 6 quarter hours.....	6
	Economic Developments, 6 quarter hours.....	6
	Military or Physical Education, 12 quarter hours.....	12
	Accounting, 12 quarter hours.....	12
	Principles of Economics, 9 quarter hours.....	9
	Organization and Control, 6 quarter hours.....	6

Total Requirements.....	72
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Required Electives: 9 quarter hours in Social Science.....	9
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Free Electives: The remaining electives, of approximately 17 credits, may be profitably selected with the help of a faculty adviser.....	17
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Total.....	98
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Freshmen who expect to make a concentration in Foreign Trade, or who plan to enter public service abroad, should elect an appropriate foreign language. If a student elects a foreign language he must complete two years of the work in order to secure university credit, unless he takes an advanced course. Certain courses in history and government may prove beneficial in later work.

Freshmen wishing to make a concentration in Secretarial Training or to prepare for commercial teaching should elect Secretarial Training 1 and 12. There are no prerequisites for these courses. Such students should elect English 4 and 6 in the sophomore year. No credit is allowed when only typing is taken. The laboratory fee for typewriting is \$5.00 for each quarter.

Students expecting to concentrate in the field of Public Administration should take Political Science 1 and 4. All students are required to take 9 quarter hours in

Mathematics, a Natural Science or a foreign language, and 9 quarter hours in the Social Sciences exclusive of Economics.

Junior and Senior Requirements

During the junior and senior years each student is required to complete in a satisfactory manner the following specified courses:

Course Designation	Course Title	
B. A. 130	Elements of Statistics.....	4
Econ. 140	Money and Banking.....	4
B. A. 140	Financial Management.....	4
Econ. 150	Marketing Principles and Organization.....	4
B. A. 150	Marketing Management.....	4
Econ. 160	Labor Economics.....	4
B. A. 160	Personnel Management.....	4
B. A. 180, 181, 182	Business Law, I, II, III.....	9
Military	Military Training.....	15

Total.....52 quarter hours

The remaining hours for the juniors and seniors may be used to meet the requirements for one of the special concentration programs, for example, in Economics, Natural and Human Resources, Public Administration, Secretarial Training, Commercial Teaching, and in the fields of Business Administration, such as: Accounting and Statistics, Production Management, Marketing, Advertising, Retailing, Purchasing, Foreign Trade, Labor Relations, Real Estate, Insurance, Investment, and General Finance. Juniors and seniors may elect appropriate Secretarial Training courses.

The following basic study program furnishes an opportunity for general training in the field of Business and Public Administration and, also, provides the central or core subjects for specialized study programs in the various functional and vocational fields.

Basic Curriculum

This curriculum is set up on a twelve quarter basis which corresponds to the traditional four-year course that leads to a bachelor's degree. A student may, therefore, complete the full course in three calendar years by attending four quarters a year. A superior student may complete the course in a shorter period of time by carrying a heavier load each quarter.

Freshman Year

		Quarters		
		I	II	III
Econ. 1, 2, 3.	Economic Resources of the World, I, II, III.....	2	2	2
Econ. 4, 5, 6.	Economic Developments, I, II, III....	2	2	2
Eng. 1, 2, 3.	Survey and Composition.....	3	3	3
Mathematics, Natural Science or Foreign Language	.....	5	5	elective
Speech 2.	Public Speaking.....	2	2	elective
M. I. Basic R. O. T. C. and Physical Ed. (men).....		2	2	2
Phy. Ed.	Physical Activities and Hygiene (women)	3	3	3
		16-17	16-17	16-17

Sophomore Year

	Quarters		
	IV	V	VI
B. A. 10, 11, 12. Organization and Control, I, II, III....	2	2	2
Econ. 31, 32, 33. Principles of Economics, I, II, III....	3	3	3
B. A. 20, 21, 22. Principles of Accounting I, II, III....	4	4	4
Electives.....	6-7	6-7	6-7
Military Training and Physical Education (men).....	2	2	2
Physical Activities (women).....	1	1	1
	—	—	—
	17	17	17

Junior Year

	Quarters		
	VII	VIII	IX
Econ. 140. Money and Banking.....	4	—	—
B. A. 140. Financial Management.....	—	4	—
B. A. 130. Elements of Statistics.....	—	—	4
Econ. 150. Marketing Principles and Organization....	4	—	—
B. A. 150. Marketing Management.....	—	4	—
Econ. 160. Labor Economics.....	—	4	—
B. A. 160. Personnel Management.....	—	—	4
Electives.....	7-8	3-4	7-8
Physical Education (men).....	2	2	2
Physical Activities (women).....	1	1	1
	—	—	—
	17	17	17

Senior Year

	Quarters		
	X	XI	XII
B. A. 180, 181, 182. Business Law, I, II, III.....	3	3	3
Econ. 131. Comparative Economic Systems.....	3	—	—
Econ. 170. Industrial Combinations and Competition	—	—	4
Econ. 171. Economics of American Industry.....	—	4	—
P. A. 140. Public Finance and Taxation.....	4	—	—
P. A. 170. Regulation of Transportation.....	—	4	—
P. A. 180. Governmental Control of Business.....	—	—	4
Electives.....	4-6	3-5	3-5
Physical Education (men).....	3	3	3
Physical Activities (women).....	1	1	1
	—	—	—
	17	17	17

Electives may be chosen under the direction of a faculty adviser from courses in Accounting, Statistics, Geography, Public Administration, Secretarial Training, Education, Home Economics, Natural Sciences, or other courses that will aid the student in preparing for his major objective. The electives provided for in the General Course make it possible for a student to arrange his schedule, under guidance of a faculty adviser, in such a way as to secure a concentration or major when desired in one of the following curricula: Economics, Accounting and Statistical Controls, Secretarial Training, Marketing Administration, Financial Administration, Personnel Administration, Production Administration, Human and Natural Resources, and Public Administration.

Economics

The program of studies in the field of Economics is designed to meet the needs of students who wish to concentrate either on a major or minor scale in this division of the Social Sciences. Students who expect to enroll in the professional schools and those who are planning to enter the fields of Business or Public Administration will find courses in Economics of considerable value to them in their later work.

Accounting and Statistical Control Study Program

The Accounting and Statistical Study Program is designed to give the student a broad training in Administrative control supplemented by specific technical training in the problems, procedures, methods and techniques of accounting and statistics.

Secretarial Training Study Program

The purpose of this curriculum is to aid the student in developing his or her natural aptitudes in such a way as to become an efficient secretary, or office manager. The development of the student's capacity to plan, organize, direct, and execute is the guiding principle followed in this curriculum.

Marketing Administration

If the costs of distribution are to be reduced or kept from rising unduly it is necessary that careful study of the organization, policies, methods, and practices of advertising, selling, purchasing, merchandising, transportation, financing, storing, and other related activities be made and corresponding appropriate action taken by qualified marketing technicians and executives.

Financial Administration

This curriculum deals with the study of our complicated structure of financial institutions and the methods used in financing business activities.

Personnel Administration

Personnel Administration has to do with the direction of human effort, it is concerned with securing, maintaining, and utilizing an effective working force. People adequately trained in personnel administration find employment in business enterprises, governmental departments, governmental corporations, educational institutions, charitable institutions, and with the armed forces.

Production Administration

This curriculum is designed to acquaint the student with the problems of control in the fields of industrial production. Theory and practice with reference to organization, policies, methods, processes, and techniques are surveyed, analyzed, and criticized. The student is required to go on inspection trips and when feasible, is expected to secure first-hand information through both observation and participation.

Human and Natural Resources

The student interested in this field of human endeavor should select his courses under the direction of a faculty member who is conversant with his objective and the requirements for success in this field. The curriculum of the Department of Human and Natural Resources is designed to aid the student in securing the facts concerning the major geographical areas of the world and in studying and analyzing causes and results as they effect economic, political, and social activities. The student interested in international trade, international political relations, diplomacy, overseas governments and national aspirations will find the courses in this department of great practical value. Work is offered on both the undergraduate and the graduate levels.

Public Administration

The curriculum in Public Administration is designed primarily to aid in the preparation of young men and women for technical, supervisory, and managerial positions in the various State and Federal services. The particular selections of subjects in any individual case will depend on the specific position for which the student wishes to prepare. The facilities of other departments of the university are available for this training. Courses, for example, in foreign languages, geography, history, philosophy and government, as well as studies in social, legal, political, and economic institutions may be advisable in addition to the required courses in Business and Public Administration

COLLEGE OF EDUCATION

In times of war it is essential that public education be continued as nearly as possible in normal fashion. There should be no curtailment of the usual flow of capable, well-educated teachers from the colleges and universities to the schools of the nation. Consequently, the Maryland State Department of Education and the College of Education of the University of Maryland are doing everything possible to maintain and, where possible, to improve the standards of the teaching profession.

To date there have been no basic changes in the teacher certification laws of the state and relatively few changes in the program of the College of Education. Every effort is being made, however, to speed up the process and turn out a better and more effective product. There is great present need for teachers.

Types of Persons Served

The College of Education meets the needs of the following classes of students: (1) undergraduates preparing to teach in high schools, preparatory schools, and vocational schools; (2) students who will enter higher institutions to prepare for work in specialized educational institutional fields; (3) students preparing for edu-

cational work in the trades and industries; (4) students preparing to become home demonstrators, club or community recreation leaders, and (in cooperation with the Department of Sociology) social workers; (5) students whose major interest is in other fields, but who desire courses in education; (6) graduate students preparing for teaching, supervisory, or administrative positions requiring an advanced degree.

Requirements for Admission

The requirements for admission to the College of Education are in general the same as for the other colleges of the University. Candidates for admission whose high school records are consistently low are strongly advised not to seek admission to the College of Education.

Guidance in Registration

At the time of matriculation each student is tentatively assigned to a member of the faculty who acts as the student's personal adviser. The choice of subject areas within which the student will prepare to teach and the selection of his professional courses will be made under faculty guidance during the first year in the Introduction to Education course, required of all freshmen. While in particularly fortunate cases it may be possible to make satisfactory adjustments as late as the junior year, for students from other colleges who have not already entered upon the sequence of professional courses, it is highly desirable that this work in the College of Education be begun in the freshman year. Students who propose to teach (except Vocational Agriculture) should register in the College of Education, in order that they may have continuously the counsel and guidance of the faculty which is directly responsible for their professional preparation.

Curricula

There are, in general, three types of curricula in the College of Education, as follows:

1. **Arts and Science Education Curricula**—for students who wish to become high school teachers of academic and scientific subjects, such as English, social studies, science, and languages.
2. **The Special Subjects Curricula**—for students who wish to become high school teachers of the commercial subjects and physical education.
3. **Vocational Subjects Curricula**—for prospective teachers of Industrial Education (shopwork and related subjects) and Home Economics.

These curricula differ considerably in terms of required subjects. Detailed statements of the required courses may be obtained from the Dean of the College. The basic pre-professional and professional courses listed below are required in all the curricula.

Pre-professional and Professional Courses

The courses required of all students who elect an education curriculum are classified into two categories: (1) pre-professional and (2) professional. The professional courses are all recognized for certification purposes by the Maryland State Department of Education provided they are taken in the junior and senior years.

Pre-professional courses: Introduction to Education; Educational Forum.

Professional courses: Educational Psychology; Educational Sociology; The Theory of the Senior High School or The Theory of the Junior High School; Curriculum, Instruction, and Observation (in field of teaching major); Educational Measurements; and Methods and Practice of Teaching.

Admission of Teacher College Graduates

Graduates of the two- and three-year curricula of Maryland State Teachers Colleges and other accredited teacher-education institutions whose records give evidence of the ability and character essential to teaching will be admitted to advanced standing and classified provisionally in appropriate classes.

Education Courses in Baltimore

The majority of the professional courses and some of the arts and science courses required for undergraduate preparation in Education are offered in Baltimore in late afternoon and evening courses primarily for employed people. On a part time basis a student may complete some or all of his work for a Bachelor of Arts or Bachelor of Science degree in Education in the Baltimore Division of the College of Education. Through special arrangement with the Graduate School, graduate courses are also available for students working on masters' and doctors' degrees in education.

A separate announcement of these courses is issued in the spring of each year. This announcement may be obtained from the Baltimore Division, College of Education, University of Maryland, Lombard and Greene Streets, Baltimore, Md.

Junior Status

The first two years of college work are preparatory to the professional work of the junior and senior years. To be eligible to enter the professional courses, a student must have attained junior status, that is, he must have completed 96 quarter-hours of freshman-sophomore courses with an average grade of C or better.

Certification of Secondary School Teachers

The State Department of Education certifies to teach in the approved high schools of the State only graduates of approved colleges who have satisfactorily fulfilled subject-matter and professional requirements. Specifically it limits certification to graduates who "rank academically in the upper four-fifths of the class and who make a grade of C or better in practice teaching."

From the offerings of Education, the District of Columbia requirement of 36 quarter hours of professional courses may be fully met.

Degrees

The degrees conferred upon students who have met the conditions prescribed for a degree in the College of Education are Bachelor of Arts and Bachelor of Science. Upon completion of a minimum of 195 quarter hours of credit in conformity with the requirements specified under "Curricula" and in conformity with general requirements of the University, the appropriate degree will be conferred.

COLLEGE OF ENGINEERING

The primary purpose of the College of Engineering is to train young men to practice the profession of Engineering. It endeavors at the same time to equip them for their duties as citizens and for careers in public service and in industry.

The principal objective of the College of Engineering during the present emergency is to provide students with the fundamental specialized technical training required of officer personnel in the armed forces of our country.

The College of Engineering includes the Departments of Chemical, Civil, Electrical, and Mechanical Engineering. In the Mechanical Engineering Department, Aeronautical Engineering is offered as an option in the junior and senior years.

Each of the curricula offered is coordinated with the Army Specialized Training Program and it is possible for a civilian student to secure a degree in Engineering upon satisfactory completion of $2\frac{1}{2}$ years of instruction in one of the outlined curricula.

Admission Requirements

The requirements for admission to the College of Engineering are, in general, the same as for admission to the undergraduate departments of the University, except as to the requirements in mathematics. See Admission.

It is possible, however, for high school graduates having the requisite number of entrance units to enter the College of Engineering without the unit of advanced algebra, or the one-half unit of solid geometry. Provision will be made for such students to make up their deficiencies in entrance credits.

Bachelor Degrees in Engineering

Courses leading to the degree of Bachelor of Science are offered in chemical, civil, electrical, and mechanical engineering, and mechanical engineering with aeronautical option, respectively.

Master of Science in Engineering

The degree of Master of Science in Engineering may be earned by students registered in the Graduate School who hold bachelor degrees in engineering, which represent an amount of preparation and work similar to that required for bachelor degrees in the College of Engineering of the University of Maryland.

Candidates for the degree of Master of Science in Engineering are accepted in accordance with the procedure and requirements of the Graduate School. See Graduate School Announcement.

Professional Degrees in Engineering

The degrees of Chemical, Civil, Electrical or Mechanical Engineer will be granted only to graduates of the University who have obtained a bachelor's degree in engineering. Further information may be obtained by applying to the Dean of the College of Engineering.

Basic Curriculum

All Freshman students are required to take the following curriculum:

			Quarter					
			I		II		III	
Freshman Year			Class	Lab.	Class	Lab.	Class	Lab.
AST-406, 407, 408	Mathematics.....		6	0	5	0	5	0
AST-304, 305, 306	Physics.....		4	2(1*)	4	2(1*)	4	2(1*)
AST-001	Engineering Drawing		0	0	0	0	0	6
AST-205, 206, 207	Chemistry.....		3	0	2	4	0	0
AST-111	English.....		3	0	2	0	2	0
AST-133	History.....		3	0	2	0	2	0
AST-163	Geography.....		2	0	2	0	2	0
	Basic R.O.T.C.		3	2	3	2	3	2
	Physical Activities		0	6	0	6	0	6

* One hour for writing reports.

Chemical Engineering

Chemical Engineering deals primarily with the industrial and economic transformation of matter. It seeks to assemble and develop information on chemical operations and processes of importance in modern life and to apply this under executive direction, according to engineering methods, for the attainment of economic objectives. Modern chemical research has contributed so much to industrial and social welfare that the field of the chemical engineer may now be said to cover practically every operation in which any industrial material undergoes a change in its chemical identity.

Chemical Engineering Curriculum

		Quarters				Quarters	
		Class Lab.				Class Lab.	
IV				VIII			
AST-401	Mathematics.....	5	0	Chem. 37	Organic Chemistry.....	3	0
AST-401	Qualitative Analysis	2	4	Ch.E.112A	Advanced Chemical		
AST-402	Quantitative Analysis	2	6		Engr. Calculations	4	0
AST-403	Physical Chemistry.....	3	2	Ch.E.113A	Advanced Thermodyna-		
AST-403	Industrial Chemical				mics.....	4	0
	Calculations.....	3	0	Speech 5	Oral Technical Eng.....	2	0
	Basic R.O.T.C.	3	2	Econ. 31	Principles of Economics	3	0
	Physical Activities.....	0	6	Ch.E.114	Advanced Unit Opera-		
					tions Laboratory.....	0	8
					Physical Activities.....	0	6
V				IX			
AST-404	Physical Chemistry.....	3	3				
AST-405	Organic Chemistry	4	6	E. E. 56	Principles of Electrical		
AST-415	Unit Operations I.....	4	2*		Engineering.....	3	3
AST-401	Mechanics.....	6	0	Ch.E.112B	Advanced Chemical En-		
	Basic R.O.T.C.	3	2		gineering Calculations	4	0
	Physical Activities.....	0	6	Ch.E.113B	Advanced Thermodyna-		
					mics.....	4	0
VI				Econ. 32	Principles of Economics	3	0
AST-401	Strength of Materials	4	0		Language**	3	0
AST-416	Unit Operations II.....	3	0	Ch.E.115A	Chemical Engineering		
AST-401	Elements of Electrical				Processes	3	3
	Engineering.....	4	4		Physical Activities.....	0	6
AST-417	Unit Oper. Laboratory I..	0	7	X			
AST-335	Thermodynamics.....	5	0				
	Basic R.O.T.C.	3	2	E.E. 57	Principles of Electrical		
	Physical Activities.....	0	6		Engineering.....	3	3
				Ch.E.112C	Advanced Chemical En-		
VII					gineering Calculations	4	0
AST-418	Unit Operations			Ch.E.115B	Chem. Engineering		
	Laboratory II.....	0	8		Processes	3	6
AST-406	Chemical Technology	3	4		Language**	3	0
AST-410	Physical Metallurgy	3	2	Econ. 33	Principles of Economics	3	0
AST-420	Chemical Engineering			Surv. 5	Elements of Plane		
	Problems.....	6	0		Surveying.....	1	3
	Physical Activities.....	0	6		Physical Activities	0	6

* Computations.

** Students expecting to do graduate work should take German or French; other students may elect English composition.

Civil Engineering

Civil Engineering deals with the design, construction, and maintenance of highways, railroads, waterways, bridges, buildings, water supply and sewerage systems, harbor improvements, dams, and surveying and mapping.

Civil Engineering Curriculum

		Quarters				Quarters	
		Class	Lab.			Class	Lab.
IV				VII			
AST-401	Mathematics.....	5	0	Math. 22	Applied Calculus.....	5	0
AST-401	Mechanics.....	6	0	C.E. 114	Theory of Structures.....	4	3
AST-407	Surveying (Elementary) ..	2	4	Dr. 7	Descriptive Geometry	0	6
AST-401	Elements of Electrical			Surv.104	Higher Surveying.....	2	6
	Engineering.....	4	4		Physical Activities.....	0	6
AST-408	Engineering Drawing 1						
	Structural Drafting.....	0	3				
	Basic R.O.T.C.	3	2				
	Physical Activities.....	0	6				
V				VIII			
AST-401	Strength of Materials	4	0	Speech 5	Oral Technical Eng.....	2	0
AST-401	Materials Testing			Econ. 31	Principles of Economics..	3	0
	Laboratory.....	0	3	Math. 64	Differential Equations		
AST-413	Stress Analysis.....	2	3		for Engineers.....	5	0
AST-401	Fluid Mechanics.....	4	0	C.E. 115	Concrete Design.....	2	3
AST-408	Surveying-Advanced.....	2	3	C.E. 118	Structural Design.....	2	3
AST-405	Internal Combustion				Physical Activities.....	0	6
	Engines.....	3	3				
	Basic R.O.T.C.....	3	2				
	Physical Activities.....	0	6				
VI				IX			
AST-403	Structural Design	4	3	Speech 6	Oral Technical English....	2	0
AST-403	Water Supply and			Econ. 32	Principles of Economics..	3	0
	Sewerage.....	3	3	Geol. 3	Engineering Geology	3	0
AST-403	Transportation.....	3	3	C.E. 116	Concrete Design.....	3	3
AST-403	Foundations.....	3	3	C.E. 119	Structural Design.....	3	3
AST-409	Engineering Drawing 1				Physical Activities.....	0	6
	Topographic Drafting..	0	3				
	Basic R.O.T.C.	3	2				
	Physical Activities.....	0	6				
				X			
				Speech 7	Oral Technical English	2	0
				Econ. 33	Principles of Economics	3	0
				Engr. 101	Engineering Law and		
					Specifications.....	3	0
				C.E. 117	Concrete Design.....	3	3
				C.E. 120	Structural Design.....	3	3
					Physical Activities	0	6

Electrical Engineering

Electrical Engineering deals with the generation, transmission, and distribution of electrical energy; electrical transportation, communication, illumination, and manufacturing and miscellaneous electrical applications in industry, commerce, and home life.

Electrical Engineering Curriculum

(Communications and Power Specialists)

	Quarters	
	Class	Lab.
IV		
AST-401 Mathematics.....	5	0
AST-401 Mechanics.....	0	6
AST-403 Elec. Measurements	0	6
AST-405 Electric and Magnetic Phenomena.....	5	3
AST-406A Shop Practices.....	0	3
Basic R.O.T.C.....	3	2
Physical Activities.....	0	6

(Power Specialist)

	Quarters	
	Class	Lab.
VI		
AST-411 A.C. Machinery.....	4	3
AST-415 Electronics and Associated Circuits.....	5	6
AST-416 Electric Circuits— Transients.....	2	3
AST-401 Thermodynamics.....	5	0
Basic R.O.T.C.....	3	2
Physical Activities.....	0	6

(Communications and Power Specialists)

	Quarters	
	Class	Lab.
V		
AST-414 Electric Circuits.....	5	6
AST-403 Engineering Mathematics	3	0
AST-401 Strength of Materials.....	4	0
AST-401 Materials Testing Laboratory.....	0	3
AST-409 Direct Current Machinery	3	3
Basic R.O.T.C.....	3	2
Physical Activities.....	0	6

(Communications Specialist)

	Quarters	
	Class	Lab.
VII		
AST-420 High Frequency and U.H.F. Circuits and Laboratory.....	6	6
AST-422 Communication Networks	3	3
AST-424 Servo-Mechanisms and Control Devices	3	3
AST-426 Radiation and Propaga- tion.....	3	0
Physical Activities.....	0	6

(Communications Specialist)

	Quarters	
	Class	Lab.
VI		
AST-415 Electronics and Associated Circuits, Theory and Laboratory.....	5	6
AST-416 Electric Circuits— Transients.....	2	3
AST-417 Electric Circuits—Dis- tributed Constants	3	0
AST-410 Alternating Current Machinery	5	3
Basic R.O.T.C.....	3	2
Physical Activities.....	0	6

(Power Specialist)

	Quarters	
	Class	Lab.
VII		
AST-412 A.C. Machinery.....	3	6
AST-424 Servo-Mechanisms and Control Devices.....	3	3
AST-410 Internal Combustion Engines.....	6	0
AST-411 Internal Combustion Engines Laboratory.....	0	4
AST-412 Electric Power Trans- mission.....	3	0
Physical Activities.....	0	6

The eighth, ninth and tenth terms are alike for all electrical engineering seniors.

VIII

Speech 5	Oral Technical English..	2	0
Econ. 31	Principles of Economics	3	0
Math. 22	Applied Calculus.....	5	0
Dr. 7	Descriptive Geometry	0	6
E.E. 110	A-C. Machinery	3	0
	Physical Activities	0	6

IX

Speech 6	Oral Technical English..	2	0
Econ. 32	Principles of Economics	3	0
Math. 64	Differential Equations ..	5	0
Surv. 5	Elements of Plane Surveying.....	1	3
E.E. 114	Illumination.....	3	3
	Physical Activities	0	6

X

Speech 7	Oral Technical English..	2	0
Econ. 33	Principles of Economics	3	0
E.E. 112	Radio Communications	3	0
E.E. 116	Advanced A-C. Theory	3	3
	Non-Eng. Elective.....	3	0
	Physical Activities	0	6

Mechanical Engineering—General

Mechanical Engineering deals with the design, construction, and maintenance of machinery and power plants; heating, ventilation, and refrigeration; and the organization and operation of industrial plants.

Mechanical Engineering Curriculum

		Quarters				Quarters	
		Class	Lab.			Class	Lab.
IV				VIII			
AST-401	Mathematics.....	5	0	Speech 6	Oral Technical English..	2	0
AST-401	Mechanics.....	6	0	Math. 64	Differential Equations		
AST-401	Thermodynamics.....	5	0		for Engineers.....	5	0
AST-406	Engineering Drawing	0	4	Econ. 32	Principles of Economics	3	0
AST-406	Shop Practices.....	0	6	M.E. 121	Heating and Ventilation	2	3
	Basic R.O.T.C.	3	2	M.E. 124	Thesis.....	0	3
	Physical Activities.....	0	6	M.E. 130	Mechanical Laboratory	1	3
					Physical Activities	0	6
V							
AST-401	Strength of Materials	4	0				
AST-401	Materials Testing						
	Laboratory.....	0	3				
AST-410	Internal Combustion						
	Engines.....	6	0				
AST-420	Mechanical Laboratory ..	0	3				
AST-402	Kinematics.....	3	3				
AST-430	Metallography and Heat						
	Treatment.....	4	0				
	Basic R.O.T.C.	3	2	Speech 7	Oral Technical English..	2	0
	Physical Activities.....	0	6	Econ. 33	Principles of Economics	3	0
VI				M.E. 122	Heating & Ventilation ..	2	3
AST-410	Mechanical Vibrations	3	0	M.E. 125	Thesis.....	0	6
AST-408	Machine Design.....	3	6	M.E. 128	Prime Movers.....	3	3
AST-401	Fluid Mechanics	4	0	M.E. 131	Mechanical Laboratory	1	3
AST-411	Internal Combustion				Physical Activities	0	6
	Engines Laboratory.....	0	4				
AST-401	Elements of Electrical						
	Engineering.....	4	4				
	Basic R.O.T.C.	3	2				
	Physical Activities.....	0	6				
VII				IX			
Speech 5	Oral Technical English..	2	0				
Math. 22	Applied Calculus.....	5	0				
Surv. 5	Elements of Plane						
	Surveying.....	1	3				
Dr. 7	Descriptive Geometry ..	0	6				
Econ. 31	Principles of Economics	3	0				
	Elective.....	2	0	M.E. 123	Refrigeration.....	2	3
	Physical Activities	0	6	M.E. 126	Thesis.....	0	6
				M.E. 127	Mechanical Engineering		
					Design	2	9
				M.E. 129	Prime Movers.....	3	3
				M.E. 132	Mechanical Laboratory	1	3
					Physical Activities	0	6
				X			

Mechanical Engineering Curriculum—Aeronautical Option*

		Quarters						Quarters	
		Class Lab.				Class Lab.			
VII								IX	
Speech 5	Oral Technical English..	2	0						
Math. 22	Applied Calculus.....	5	0	Speech 7	Advanced Oral Tech-				
Surv. 5	Elements of Plane				nical English	2	0		
	Surveying.....	1	3	Econ. 33	Principles of Economics	3	0		
Dr. 7	Descriptive Geometry ..	0	6	M.E. 134	Airplane Structures.....	3	0		
Econ. 31	Principles of Economics	3	0	M.E. 125	Thesis.....	0	6		
M.E. 54	Aerodynamics and			M.E. 128	Prime Movers.....	3	3		
	Hydrodynamics.....	2	0	M.E. 121	Mechanical Laboratory	1	3		
	Physical Activities	0	6		Physical Activities	0	6		
								X	
VIII				M.E. 135	Airplane Structures.....	3	0		
Speech 6	Advanced Oral Tech-			M.E. 126	Thesis.....	0	6		
	nical English	2	0	M.E. 127	Mechanical Engineering				
Math. 64	Differential Equations				Design.....	2	9		
	for Engineers.....	5	0	M.E. 129	Prime Movers.....	3	3		
Econ. 32	Principles of Economics	3	0	M.E. 132	Mechanical Laboratory	1	3		
M.E. 133	Airplane Structures	3	0		Physical Activities	0	6		
M.E. 124	Thesis.....	0	3						
M.E. 130	Mechanical Laboratory	1	3						
	Physical Activities	0	6						

*First six terms of Mechanical Engineering Curriculum—Aeronautical Option are the same as Mechanical Engineering Curriculum—General.

COLLEGE OF HOME ECONOMICS

The College of Home Economics serves Maryland and the surrounding area with its educational program for young women. This program combines good personal development with education for homemaking and for a livelihood. Information on better health principles, good study habits, efficient use of time, good grooming, becoming dress and proper adjustment to new situations constitute the student's program for self-development.

In the professional phases of her program, the student advises with members of the faculty and with women well-known in home economics who aid in choosing the particular curriculum in which she expects to specialize.

The student is urged to acquire practical experience during vacations. This might begin with the actual management of her family's home for a period of time. Students preparing to teach, gain experience on playgrounds in caring for children and in executing home projects. Commercial firms and institutions provide opportunities for other types of experience.

Organization

For administrative purposes the College of Home Economics is organized into the Departments of Textiles and Clothing, Practical Art, Home and Institution Management, and Foods and Nutrition.

Facilities

The home of the College of Home Economics, following campus tradition, is a new colonial brick building planned and built to present the best equipment and facilities for education in home economics. A home management house is maintained on the campus for experience in homemaking.

Located, as the campus is, between two large cities, unusual opportunities are provided for both faculty and students. In addition to the University's excellent general and specialized libraries, Baltimore and Washington furnish the added library facilities so essential to scientific research and creative work in the arts. The art galleries and museums with their priceless exhibits, the government bureaus and city institutions, stimulate study and provide practical experience for the home economics student.

Professional Organizations

The Home Economics Club, in which membership is open to all home economics students, is affiliated with the American Home Economics Association.

Omicron Nu, a national home economics honor society, is open to students of high scholarship.

Degrees

The degree of Bachelor of Science is conferred for the satisfactory completion of 195 quarter hours, as prescribed in any of the following curricula.

Curricula.

At the close of the freshman year a student, who has not already done so, may elect the curriculum in general home economics which is non-professional, or one of the following professional curricula, or a combination of curricula: home economics education, textiles and clothing, practical art, home economics extension, institution management, and foods and nutrition. A student who wishes to teach home economics may register in home economics education in the College of Home Economics, or in the College of Education (see home economics education)

The student who has not decided to specialize at the close of the freshman year may follow the general home economics curriculum until she makes a choice. Before continuing with the third year of any curriculum, the student must have attained junior standing: or 98 credit hours with a C grade average.

General Home Economics

The General Home Economics Curriculum is non-professional. It is planned to give a young woman a good basis for her best personal development and provides good training for her as a future home maker. This curriculum also forms the basis of all the professional curricula. The additional requirements of the professional curricula are listed under the description of each curriculum.

Freshman Year

		Quarters		
		I	II	III
Eng. 1, 2, 3	Survey and Composition.....	3	3	3
Chem. 1, 3	General Chemistry.....	—	5	5
H. E. 10	Textiles.....	5	—	—
H. E. 70	Design.....	3	—	—
	Hygiene.....	2	2	
	Physical Activities.....	1	1	1
Math. 0	Basic Mathematics.....	0	—	—
H. E. 1	Home Economics Lectures.....	—	1	—
H. E. 71	Custume Design	—	3	—
H. E. 20	Clothing.....	—	—	3

Speech 1	Public Speaking.....	—	—	2
Electives.....		3	3	4
		—	—	—
		17	18	18

Sophomore Year

		Quarters		
		IV	V	VI
H. E. 31, 32, 33	Foods.....	3	3	3
H. E. 21	Clothing.....	3	—	—
Physics 6, 7, 8	Introductory Physics.....	3	3	3
	Physical Activities.....	1	1	1
Speech 2	Public Speaking.....	2	—	—
Psych. 1	Introduction to Psychology.....	—	3	—
Soc. 3	Introduction to Sociology.....	—	3	—
Econ. 37	Fundamentals of Economics.....	—	—	5
Electives.....		4	4	4
		—	—	—
		16	17	16

Junior Year

		Quarters		
		VII	VIII	IX
H. E. 150, 151, 152	Management of the Home.....	3	3	3
H. E. 135	Nutrition or	5	—	—
H. E. 34	Elements of Nutrition }			
Zoo. 16	Human Physiology.....	5	—	—
	Physical Activities.....	1	1	1
H. E. 170	Interior Design.....	—	5	—
H. E. 122, 123	Advanced Clothing.....	—	3	3
Bact. 50	Household Bacteriology.....	—	—	5
Electives.....		2	4	4
		—	—	—
		16	16	16

Senior Year

		Quarters		
		X	XI	XII
H. E. 130	Food Economics.....	2	—	—
H. E. 131	Meal Service.....	3	—	—
	Physical Activities.....	1	1	1
H. E. 153	Practice in Management of the Home ..	—	3	—
H. E. Ed. 102	Child Study.....	—	—	5
Electives.....		9	11	9
		—	—	—
		15	15	15

Home Economics Education

(See College of Education, Page 41)

Textiles and Clothing

This curriculum affords an opportunity for professional training in the fields of textiles and clothing. Such positions as style coordinators or fashion experts in the clothing industry, teaching in secondary schools and colleges, radio work, re

search in government testing laboratories, commercial firms or private research institutions are now available to graduates of this curriculum.

A student whose interests are centralized in the fashion field of clothing may be allowed, with the consent of the head of the department, to substitute related courses for certain work listed in this curriculum.

Requirements in addition to those in the General Home Economics Curriculum are: Elements of Organic Chemistry—(8), Introductory Foods, (substitute for H. E. 31, 32, 33, Foods)—(5), Pattern Design—(3), Advanced Textiles—(6), Children's Clothing—(2), Problems in Textiles—(3), Introduction to Radio—(3).

Students particularly interested in the textile field should elect Quantitative Analysis, Elements of Statistics and Chemistry of Textiles.

Practical Art

This curriculum permits a choice of two fields of concentration: interior design and costume design. Emphasis is given to the selection of house furnishings and wearing apparel with relation to personality. Positions available to graduates begin with selling, display, comparison shopping, textile analysis, and radio work; they develop into advanced positions in these fields or in departmental buying, department managing, style coordination, personality consulting, designing, advertising, and training and personnel work.

Requirements in addition to those in the General Home Economics Curriculum are: Introductory Chemistry—(6) (substitute for General Chemistry), Modern Language—(6), Survey of Art History—(3), Costume Illustration—(3), Introductory Foods—(5) (substitute for H. E. 31, 32, 33 Foods), Clothing—(3), Graphic Design—(3), Upholstering and Slipcovering—(3), Store Experience—(4), Advanced Costume Design—(3), Merchandise Display—(3), Advertising Layout and Store Coordination—(3), Consumer Problems in Textiles—(3), Marketing Principles and Organization—(4), Introduction to Journalism—(4), Advanced Interior Design—(3), Radio in Retailing—(3), Retail Store Management and Merchandising (4), Pattern Design (3).

Courses Not Required: Human Physiology—(5), Household Bacteriology—(5).

Home Economics Extension

This curriculum outlines the training necessary for the young woman who wishes to work with rural people through a State Extension Service, or other agencies interested in the education and social problems of rural living.

Requirements in addition to those in the General Home Economics Curriculum are: Elements of Organic Chemistry—(8), Dietetics—(5), Educational Psychology—(5), Curriculum, Instruction and Observation—(5), Experimental Foods—(5), Demonstrations—(3), Methods in Home Economics Extension—(3), Rural Life and Education—(3), Mental Hygiene (3).

Courses Not Required are: Advanced Clothing—(3).

Institution Management

This curriculum provides training for those interested in housing and the food service administration for large groups of people. The work is of two general types: (1) food service and (2) housekeeping in such institutions as hospitals and schools and in commercial organizations such as restaurants, inns, hotels and industrial cafeterias.

The preparation for a hospital dietitian requires one year of graduate training in a hospital offering a course approved by the American Dietetic Association. This curriculum meets the academic requirements for entrance to such a course.

The student of this curriculum graduating after June 1944, will be required to have a period of field work of satisfactory length and experience before entering the senior year.

A student planning to do institutional work other than hospital dietetics is not required to take Curriculum, Instruction and Observation and Diet in Disease.

Requirements in addition to those in the General Home Economics Curriculum are: Elements of Organic Chemistry—(8), General Bio-Chemistry—(5), Nutrition (5), Dietetics—(5), Experimental Foods—(5), Institution Management and Organization—(3), Institution Equipment and Food Purchasing—(4), Accounting and Food Control—(3), Curriculum, Instruction and Observation—(5), Educational Psychology—(5), Mental Hygiene—(3), Institutional Cookery—(5), Diet in Disease—(5), Advanced Institutional Management—(3).

Foods and Nutrition

If our country is to meet, successfully, the demands made by war, our people must be strong. This means that the great amount of malnutrition now existing must be decreased to a minimum. In doing this, many of our food habits must be changed, and better use made of scientific knowledge in the planning, purchasing, preparing and serving of food.

The first purpose of the Foods and Nutrition Curriculum is to teach each young woman the daily use of scientific information in the choice of food, now for herself, and in the future for her family. The second purpose is professional, preparation for positions in foods and nutrition research with government and state agencies and with commercial organizations. Newspapers, magazines for home makers, and radio stations employ home economists with special training in foods and nutrition. As the program in Nutrition and Food Conservation makes further progress, opportunities for the trained person will increase.

Additional courses required for the Foods and Nutrition Curriculum are: Elements of Organic Chemistry—(8), General Bio-Chemistry—(5), Nutrition—(5), Dietetics—(5), Experimental Foods—(5), Demonstrations—(3), Advanced Foods—(5), Child Nutrition—(4).

Courses Not Required: Advanced Clothing—(6).

THE GRADUATE SCHOOL

The Graduate School administers the graduate work offered by the university. The faculty of the Graduate School includes all members of the various departments who give instruction in approved graduate courses. The general administrative functions of the graduate faculty are delegated to a Graduate Council of which the Dean of the Graduate School is chairman.

The following degrees are conferred: Master of Arts, Master of Science, Master of Education, Master of Business Administration, Doctor of Philosophy.

Each student working toward an advanced degree must formulate a unified graduate program, including major and minor work, which must be approved by the student's major adviser and by the Dean of the Graduate School. A thesis is required for the degrees of Master of Arts, Master of Science, and Master of Business Administration.

For the degree of Doctor of Philosophy the equivalent of three years of full time graduate study and research is required, of which at least one year, or equivalent, must be spent in residence at this university. The doctor's degree, however, is not given merely as a certificate of residence and work, but is conferred only upon sufficient evidence of high attainments in scholarship and ability to carry on independent research in the special field in which the major work is done.

Admission Requirements

An applicant for admission to the Graduate School must hold a bachelor's or a master's degree from a college or university of recognized standing. The applicant shall furnish an official transcript of his collegiate record which for unconditional admission must show creditable completion of an adequate amount of undergraduate preparation for graduate work in his chosen field. Application for admission to the Graduate School should be made prior to dates of registration on blanks obtained from the office of the Dean. In no case will graduate credit be given unless the student matriculates and registers in the Graduate School.

Admission to the Graduate School does not necessarily imply admission to candidacy for an advanced degree. Application for admission to candidacy is made after a certain specified amount of work, showing superior scholarship, has been completed at this university. Applicants for admission to candidacy for the Ph.D., degree must present evidence of a reading knowledge of French and German, and meet such other requirements as the departments may elect. All applications for advancement to candidacy are acted upon by the Graduate Council.

Fellowships and Assistantships

A number of fellowships and graduate assistantships have been established by the university in the various departments. Fellows and assistants render service to the university and carry such graduate work as may be arranged in the terms of the appointment. Applications for fellowships are made on blanks obtained from the office of the Graduate School and are sent to the Dean of the Graduate School. Applications for graduate assistantships are made directly to the departments concerned.

A separate bulletin, **The Graduate School Announcements**, is published by the university, setting forth in detail the Graduate School regulations and listing the graduate courses offered in the various departments of the university. Copies of this bulletin may be obtained upon application to the office of the Graduate School.

PROFESSIONAL SCHOOLS IN BALTIMORE

School of Dentistry

The School of Dentistry offers a four year academic course in dentistry devoted to instruction in the medical sciences, the dental sciences and clinical practice. To meet the overall shortage of dentists and the urgent need to provide professional services for members of the armed forces and civilian population, the University of Maryland School of Dentistry has inaugurated an accelerated program^{*} of instruction under which the four academic years required for the degree may be completed in three calendar years.

Requirements for Admission

Applicants for admission must present evidence of having successfully completed two years of work in an accredited college of arts and sciences based upon the completion of a four year high school course. No applicant will be considered who has not completed all requirements for advancement to the junior year in the arts and sciences college from which he applies. His scholastic attainments shall be of such quality as to insure a high standard of achievement in the dental course.

See the catalog of the School of Dentistry for details on entrance, fees and expenses. A copy may be secured by writing the Dean of the School of Dentistry, University of Maryland, Lombard and Greene Streets, Baltimore, Md.

School of Law

Due to the war emergency, the School of Law of the University has adopted an accelerated program, providing for operation on a three semester plan. The normal period for completion of the course in either the day or evening school may be shortened by as much as one academic year through attendance during the summer semester. Beginning students may enter upon their studies at the beginning of any term.

Requirements for Admission

The requirements for admission are those of the Association of American Law Schools. Applicants for admission as candidates for a degree are required to produce evidence of the completion of at least one half the work acceptable for a bachelor's degree granted on the basis of a four year period of study by the University of the state in which the pre-law work is taken or other standard college or university in such state. Students may prepare for admission to the College of Law of the University of Maryland in the College of Arts and Sciences or Business and Public Administration.

For further details on entrance to the School of Law see the special catalog of the school. A copy may be had by writing the Dean, School of Law, University of Maryland, Greene and Lombard Streets, Baltimore, Md.

School of Medicine

In cooperation with the war effort, the medical course of the School of Medicine, which consists of four full academic sessions of 32 weeks each, will be completed in three calendar years.

Wartime Requirements for Admission

The minimum admission requirements are two academic years (60 semester or 90 quarter hours) of credits, exclusive of physical education and military science, acquired at or acceptable to an approved college of arts and sciences. Included in these requirements are minimum credits in basic subjects which must be completed by every applicant before admission.

For details on requirements of the School of Medicine write to the committee on admissions, School of Medicine, University of Maryland, Lombard and Greene Streets, Baltimore, Md.

School of Nursing

The school of Nursing offers a program of study which is planned for two groups of students: (a) for those desiring to complete their work in approximately 30 months and (b) for those desiring to take a five year combined academic and nurs-

ing program. The degree of bachelor of science and the diploma in Nursing may be conferred on those students who complete successfully, the latter course.

Requirements for Admission

A candidate for the School of Nursing must be a graduate of an accredited high school and must present a record showing that she has completed satisfactorily the required amount of preparatory study. Preference will be given to students who rank in the upper third of the graduating classes in their preparatory schools. Candidates are required to present sixteen units for entrance: 8 required units and 8 elective units. In addition to the above requirements, students must meet other definite requirements in regard to health, age, and personal fitness for nursing work.

The requirements for admission to the combined program of the School of Nursing are similar to those of the undergraduate colleges. The 30 months program is designed to meet the requirements for the Diploma in Nursing and comprises the work of the first, second and third hospital years.

Students for the spring term are admitted in February, for the fall term in September or October, and for the combined course as indicated in the school calendar.

The School of Nursing annually issues a special catalog, a copy of which may be obtained from the Director, School of Nursing, University of Maryland, Redwood and Greene Streets, Baltimore, Md.

School of Pharmacy

The School of Pharmacy provides systematic instruction in Pharmacy, the collateral sciences, and such other subjects as are deemed essential in the education of pharmacists. Its chief aim is to prepare its matriculants for the intelligent practice of dispensing pharmacy but it also offers the facilities and instruction necessary for the attainment of proficiency in the various branches of the profession and in pharmaceutical research. The School of Pharmacy is accredited by the American Council on Pharmaceutical Education and holds membership in the American Association of Colleges of Pharmacy. The School is registered in the New York Department of Education and its diploma is recognized in all states.

Requirements for Admission

The requirements for admission are those prescribed by the American Council on Pharmaceutical Education and the American Association of College of Pharmacy. These requirements are the same as required for admission to the College of Arts and Sciences. Application for admission must be approved, not only by the Director of Admissions, but also by the Committee on Admissions of the Faculty Council of the School of Pharmacy. Students who desire to take up the study of pharmacy are advised to make application as early as possible before completing their high school work so as to facilitate registration.

■ The School of Pharmacy publishes a separate catalog, a copy of which may be obtained from the Dean, School of Pharmacy, University of Maryland, Lombard and Greene Streets, Baltimore, Md.

DEPARTMENT OF PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

The purpose of the program of physical education at the University is broadly conceived as the development of the individual student. To accomplish this purpose, physical examinations and classification tests are given the incoming students to determine the relative physical fitness of each. Upon the basis of the needs disclosed by these tests, and individual preferences, students are assigned to the various activities of the program.

For men

Freshmen and sophomores assigned to physical education take three activity classes each week throughout the year unless they need remedial work in which case they take two additional hours of body building work per week. In the fall, soccer, touch football, and tennis are the chief activities; in the winter, basketball, volleyball, and other team games; and in the spring, track, baseball, and tennis. In addition to these team activities, sophomore students may elect a considerable number of individual sports, such as fencing, boxing, wrestling, horseshoes, ping pong, bag punching, badminton, shuffleboard, and the like.

An adequate program of intramural sports is conducted also. Touch football and soccer in the fall, basketball and volleyball in the winter, baseball and track in the spring, are the chief activities in this program. Plaques, medals, and other appropriate awards in all tournaments of the program are provided for the winning teams and individual members.

Every afternoon of the school session the facilities of the Physical Education Department are thrown open to all students for free unorganized recreation. Touch football, soccer, basketball, basket shooting, apparatus work, fencing, boxing, wrestling, bag punching, tennis, badminton; and ping pong are the most popular contests engaged in.

The University is particularly fortunate in its possession of excellent facilities for carrying on the activities of the program of physical education. Two large modern gymnasias, a new field house, a number of athletic fields, tennis courts, baseball diamonds, running tracks, and the like, constitute the major part of the equipment.

In addition to the activities described above, the University sponsors a full program of intercollegiate athletics for men, provided there are men students available. Competition is promoted in varsity and freshman football, basketball, baseball, track, boxing, lacrosse, soccer, wrestling, golf, and tennis. The University is a member of the Southern Conference, the National Collegiate Athletic Association, and cooperates with other national organizations in the promotion of amateur athletics.

For Women

The Department of Physical Education for Women has excellent facilities for conducting a full activities program. Seasonal team sports including hockey, soccer, speedball, basketball, volleyball, softball; individual sports, consisting of riding, tennis, badminton, fencing, golf, archery, deck tennis, table tennis, and the like, are offered. Opportunity is given for various types of dancing including, modern, square, folk, and ballroom. The proximity of the University to Washing-

ton and Baltimore provides excellent opportunity for groups to attend professional programs in dance.

The Women's Athletic Association sponsors and conducts intramural tournaments in the seasonal sports, sports days with neighboring colleges, and intercollegiate competition in rifle shooting.

The University also maintains curricula designed to train men and women students to teach physical education and coach in the high schools of the state, and to act as leaders in recreational programs in communities.

This department now is being reorganized with a view to adapting its broad program to war conditions and necessities.

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

The Government maintains at the University of Maryland a Reserve Officers' Training Corps, consisting of two Units, Infantry and Signal Corps. All instruction is under the supervision of Army Officers detailed by the War Department.

The course is compulsory for all physically fit students, and is a prerequisite to graduation.

The objective of the course is to prepare men for service in the armed forces, including Officers Candidate Schools. All training is as realistic as time and facilities permit with emphasis on the practical application of doctrine and procedure.

Course

On June 1, of this year the Advanced Course was altered to meet the four quarter programs. The Basic Course (I and II) extends through six quarters—180 hours per course.

Basic I includes: Military Courtesy and Discipline, Close and Extended Order Drill, Map Reading, Rifle Marksmanship, Military History, Military Organization, Scouting and Patrolling, Combat Principles Squad, Telephone and Switchboard Operation, Field Wire, Marches, and Guard duty.

Basic II (Infantry) includes: Military Law, Close and Extended Order Drill, Weapons, Tactics Small Units, Aerial Photo Interpretation, Guard Duty, Associated Arms, Military Speech, Methods of Instruction, Field Fortification and Marches.

Basic II (Signal) includes: Military Law, Close and Extended Order Drill, Radio, Code practice, Signal Organization, Field Communication, Aerial Photo Interpretation, Telephone and Switchboard Operation, Tactics, and Methods of Instruction.

Credits

Two credit hours per quarter.

Uniforms

Uniforms, except shoes, are issued without cost to the student.

Physical Training

All Physical Training will be integrated with the Army Specialized Training Program, which has as its objective the production of a state of health and general physical fitness which will enable the student to perform the arduous duties he may be called upon to perform in the Armed Services.

The course is compulsory for those students taking Military Training.

